

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

551.49
Un 34 m
no. 1

MAINE BASIC - DATA REPORT NO. 1
GROUND - WATER SERIES

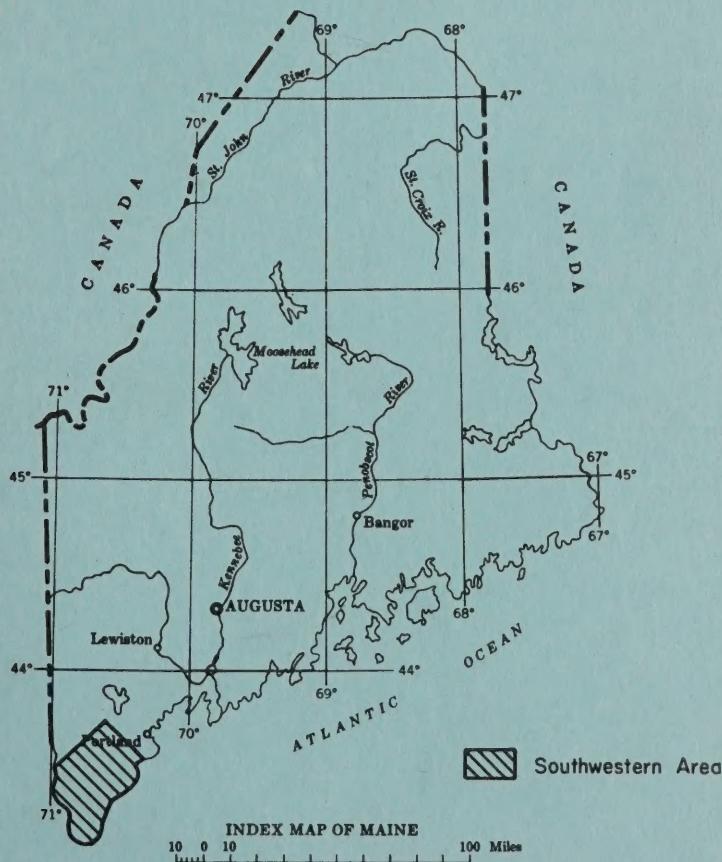
SOUTHWESTERN AREA

By

GLENN C. PRESCOTT, JR. AND JANET A. DRAKE

ILLINOIS LIBRARY
ATURBAN-CHAMPAIGN
GEOLOGY
UNIVERSITY OF

1 APR 20 1965



PREPARED IN COOPERATION WITH THE STATE OF MAINE
PUBLIC UTILITIES COMMISSION

THE LIBRARY OF THE
NOV 2 1964

UNIVERSITY OF ILLINOIS

1962

GEOLOGY LIBRARY

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

MAINE BASIC-DATA REPORT NO. 1
GROUND-WATER SERIES

SOUTHWESTERN AREA

Records of selected wells, test holes, and springs
in southwestern Maine

By

Glenn C. Prescott, Jr. and Janet A. Drake

Prepared in cooperation with

THE STATE OF MAINE, PUBLIC UTILITIES COMMISSION

1962

CONTENTS

	Page
Introduction.....	1
Numbering and location systems for wells and springs.....	2

ILLUSTRATIONS

Figure 1. Map of southwestern Maine showing the location of wells, springs, and test holes.....(In pocket)	
2. Diagram illustrating the numbering and location systems for wells and springs.....	3

TABLES

Table 1. Geologic units in southwestern Maine and their water-bearing characteristics.....	4
2. Records of selected wells and test holes in southwestern Maine.....	5
3. Records of selected springs in southwestern Maine..	25
4. Drillers' logs of selected wells and test holes in southwestern Maine.....	26
5. Chemical analyses of water from wells and springs in southwestern Maine.....	30
6. Partial chemical analyses of samples of ground water from southwestern Maine.....	31
7. Fluctuations of the water level in an observation well (well 617) at Cornish, York County, Maine...	33
8. Production of water for public supply in southwestern Maine, 1961.....	35

551.49
Un 34m
no. 1

Geology

INTRODUCTION

The area covered by this report is in York County in southwestern Maine (fig. 1). It includes an area of about 800 square miles. The area is bounded on the east by the Atlantic Ocean and on the west by the State of New Hampshire. The Little Ossipee River forms the northwestern boundary and Cumberland County is on the northeast.

This report presents basic data collected as part of an investigation of the geology and ground-water resources of southwestern Maine by the U. S. Geological Survey in cooperation with the Maine Public Utilities Commission. The data have been prepared for release in order to make available to the public basic ground-water data that will be useful in the planning of water-resources development.

A surficial geologic map of the area with an explanation of the hydrologic properties of the various water-bearing formations was published in August 1962. A more detailed report on the geology and ground-water resources of the area will be published later in the Water-Supply Paper series of the Geological Survey.

Most of the data contained in this report were collected by the senior author during the period July 1959 to August 1962. The data include records of 688 wells, springs, and test holes (tables 2 and 3); logs of 73 wells or test borings (table 4); "complete" chemical analyses of 13 samples of ground water (table 5); partial chemical analyses of 111 samples of ground water (table 6); measurements of water levels in 1 observation well (table 7); and the quantity of water produced for public supply during 1961 (table 8). The locations of wells, springs, and test holes are shown on figure 1.

Table 1 is intended as an aid in determining the general characteristics and relative worth as aquifers of the water-bearing units penetrated by the wells and test holes.

NUMBERING AND LOCATION SYSTEMS FOR WELLS AND SPRINGS

Wells, springs, and test holes in this report are numbered consecutively and these numbers are shown on figure 1. In the well-numbering system used in Maine, the consecutive numbers are preceded by a letter or combination of letters to designate the county as Y-1 (for well 1 in York County) or Ar-1 (for well 1 in Aroostook County). However, as the area covered by this report lies entirely in York County and all but 6 wells inventoried are within the county, the prefix will be omitted in this report. Wells in Cumberland County will be so indicated in the remarks column of table 2.

As an aid in locating wells, test holes, and springs, a well-location system utilizing a 6-digit number and letter prefix has been adopted (see figure 2). In this system the State is subdivided into 1-minute quadrangles, each being designated by the latitude and longitude in degrees and minutes of its southeast corner. The well-location number consists of the coordinates designating the 1-minute quadrangles preceded by a letter prefix to indicate the county, as in the well-numbering system. For the sake of brevity the 10's digit of both the latitude and longitude may be omitted without causing confusion because the latitude of Maine is entirely within the 40's and the longitude ranges from about 67° to 71° . As in the numbering system the letter prefix is being omitted in this report also.

It should be noted that this system does not give the exact location of any well but simply places it within a 1-minute quadrangle (which is about 1 square mile in area).

Location of well whose location number
is Y-322-033.

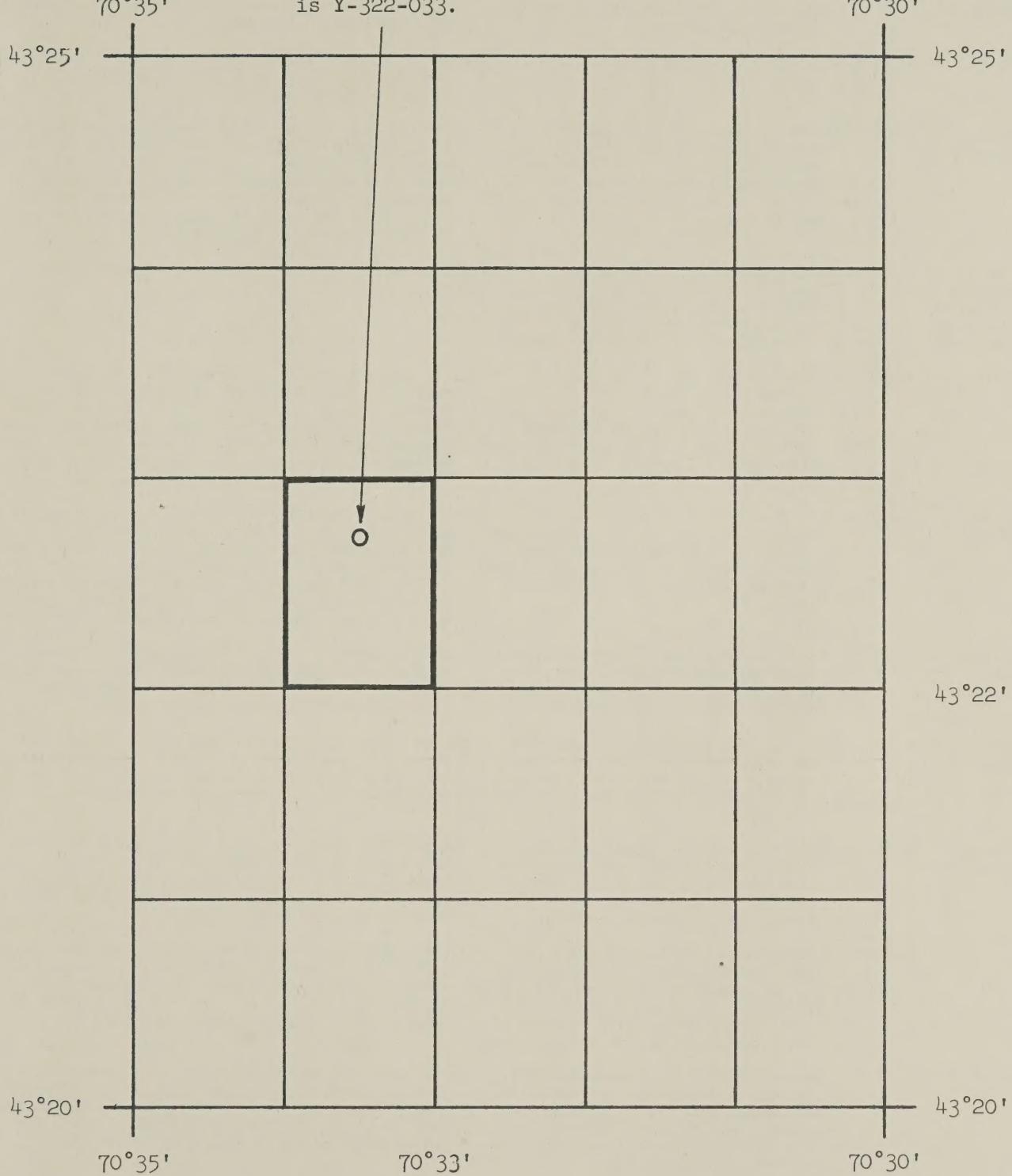


Figure 2.--Diagram illustrating the numbering and location systems for wells and springs.

Table 1.--Geologic units in southwestern Maine and their water-bearing characteristics

Geologic unit	Thickness: (feet)	Character	Water-bearing characteristics
Coastal sediments	0-25(?)	Fine to medium sand with some coarse sand and gravel, on modern beaches and in dunes behind beaches.	Deposits are fairly permeable and may contain a small lens of fresh water above salt water. Yield water to very few wells in this area.
Alluvium	0-15(?)	Silt, clay, and sand of river flood plains.	Deposits probably contain small quantities of ground water but are not considered to be an aquifer. Subject to flooding.
Swamp deposits	0-20(?)	Chiefly organic material--partially decayed leaves, roots, moss, ferns, wood, and heath plants and grasses (peat)--and some silt, clay, sand or gravel. Also includes salt-marsh deposits	Occur in low-lying and poorly drained areas. Not known to yield water to wells in southwestern Maine but may supply a few springs. May be a source of recharge to underlying sand and gravel deposits and help to maintain dry-weather flow of streams issuing from them. Water may be acidic, highly colored, or high in nitrate or other organic matter.
Elolian deposits (exclusive of coastal dune sand)	0-30(?)	In many places consist of about 2 feet of tan silt (loess) overlying glacial drift. In Old Orchard Beach area consist of 0 to about 30 feet of fine to medium sand in vegetated, fixed dunes.	Not known to yield water to wells in southwestern Maine.
Outwash	0-100(?)	Stratified sand and gravel beneath outwash plains and in deltas. Percentage of gravel is greatest near ice-contact deposits and decreases seaward. Sand is principal constituent. Some sand was deposited in sea.	Water supply depends on thickness and grain size of deposits. Near ice-contact deposits outwash may yield several hundred gpm (gallons per minute) to wells. Seaward, where deposits are finer grained and thinner, they may yield enough water for domestic use. Many springs at contact of outwash and underlying marine clay. Water generally of good quality.
Ice-contact deposits	0-150(?)	Well stratified to poorly stratified deposits of sand, gravel, cobbles, and boulders. Landforms include kames, kame terraces, kame fields, eskers, and crevasse fillings. Are transitional with outwash.	These deposits are the best source of large supplies of ground water in southwestern Maine, especially where they are relatively thick and in contact with a body of surface water. Under most favorable conditions as much as 1,000 gpm may be obtained from wells tapping ice-contact deposits. Water is generally of good quality though locally contains excessive iron.
Pleistocene beach deposits	0-80(?)	Steeply dipping beds of sand and gravel occurring primarily as fringes or aprons around drumlins in Kittery, Eliot, York, and South Berwick.	Generally stand at relatively high levels and are dry or contain water only near the base. Yield water to a few wells or springs but because of small areal distribution are not an important aquifer.
Marine deposits	0-190	Black to dark blue or gray silt, clay, and very fine sand. Also includes layers of medium sand a few inches or few feet thick. Where weathered, the clay may be tan.	May be completely saturated but because of the fine grain size yield water very slowly. Supply water to some dug wells in sandy zones. In places water-bearing sand lies between clay and bedrock.
Premarine drift	0-70(?)	Stratified sand and gravel with some cobbles and boulders where deposits were probably of ice-contact deposit origin. Medium sand where deposits were probably premarine outwash.	Outcrop area of unit is small but probably buried in many places by marine deposits. Yields 20-30 gpm to wells in Dayton area and about 75 gpm to "Boiling Spring" in Dayton. Probably contains water and yields water to wells in other areas.
Till	0-100(?)	A heterogeneous mixture of clay, silt, sand, gravel, cobbles, and boulders. In some places is very sandy and resembles ice-contact deposits. In other areas, particularly in areas of thick till, is clay rich and very dense.	Till is widespread and is the source of relatively small quantities of water to many dug wells. Drilled wells striking gravel beds within till in places yield 10 to 15 gpm. Dug wells in till are likely to go dry in the summer. Water generally is of good quality.
Bedrock	-	Igneous rocks (chiefly granite, gabbro, diorite, granodiorite, and pegmatite) and metamorphic rocks (chiefly slate, schist, gneiss, quartzite, argillite, and phyllite) ranging from Ordovician to Mississippian in age.	Rocks are dense and impermeable. Water occurs in joints, fractures, and bedding planes. Yield of 137 wells ranges from less than 1 to 150 gpm. The yield of more than 50 percent of these is less than 5 gpm. The median depth of 162 bedrock wells is 130 feet.

Table 2.--Records of selected wells and test holes in southwestern Maine

Well no.: For explanation of well-numbering system, see text.
 Location: For explanation of well-location system, see text.
 Altitude above sea level: Altitudes of wells are interpolated from topographic maps and are probably accurate to within 10 feet. Datum is mean sea level. Altitudes of highway test borings were instrumentally determined.
 Type of well: B, bored; Dr, drilled; Du, dug; J, jetted (includes tests by the "wash-boring" method).
 Depth of well: Depths expressed in feet and tenths are measured; those in whole feet are reported. Depths are below land-surface datum.
 Principal water-bearing material: For explanation of geologic units from which water is drawn, see table 1.

Principal water-bearing material: For explanation of geologic units from which water is drawn, see table 1.

Level: Water levels expressed in feet, tenths, and hundredths are measured; other water levels are reported. Depths are below land-surface datum except when preceded by a + indicating they are above land-surface datum. Wells which overflowed at time of drilling but for which the water level is not known are so indicated.
 Use: A, abandoned; C, commercial or industrial; D, domestic; Ir, irrigation; J, not used; O, observation; P, public supply; S, livestock (including chickens); T, test.
 Type of pump: C, centrifugal; Cyl, cylinder; H, hand (pitcher) pump; J, jet pump; N, none; P, piston; Rb, rope and bucket; S, submersible turbine; Su, suction; T, vertical turbine.
 Remarks: C, chemical analysis in table 5; L, log in table 4; N, not used; PCA, partial chemical analysis in table 6; T, temperature in degrees Fahrenheit; Y, yield in gallons per minute; dd, drawdown in feet produced by pumping at preceding rate.

Well location no.	Owner or user	Town	Year com- pleted	Type of well (ft.)	Altitude (feet):	Diameter of well (inches):	Principal water-bearing material		Geologic unit	Water level: Date of measurement	Type of pump	Remarks
							above sea level	of well				
2	*338-029 :Freeda Berry:	Buxton	-	185 : Du	11.8	36	Sand and clay			8.20 : 10-18-61	D,S	;
3	341-032 :Millard Southwick	do.	-	290 : Du	32	1½	Sand and gravel					;
4	341-035 :Carroll Walker	do.	-	290 : Du	17	1½	Sand			21 : -	D	C
5	341-035 :Lawrence Walker	do.	-	290 : Du	12	1¼	Sand					;
6	343-039 :P. Baker	Limington	-	265 : Du	13.8	36	do.			8 : -	D	C
7	341-039 :Fred Wildes	do.	-	280 : Du	15	1½	do.			7.12 : 10-19-61	D	C
8	340-037 :C. W. Dyer	Hollis	1950	260 : Dr	120	6	do.			9 : -	D	P
9	340-036 :Henry Swanton	do.	1949	210 : Dr	48	6				5 : -	D,S	-
10	340-036 :do.	do.	-	220 : Du	40	36				20 : -	D,S	-
11	341-037 :R. A. Usher	do.	-	260 : Du	42	36				20 : -	D,S	J
12	339-037 :Henry Swanton	do.	-	285 : Dr	28	1½	Sand			18 : -	D,S	;
13	339-036 :Stanley Russell	do.	-	280 : Dr	180	6				60-80 : -	D	-
14	339-037 :Kenneth Ingalls	do.	-	285 : Du	20.3	30	Sand			16.61 : 10-19-61	D	-
15	339-040 :Austin W. Smith	do.	-	280 : Du	22	36				19 : -	D	C
16	340-036 :Robert L. Hargraves	West Buxton	-	205 : Dr	188	6						;
17	329-034 :Ernest D. Hill	Lyman	1946	140 : Dr	50	6	Gravel			43 : 10- -61	D	J : Y 10; dd 17. PCA.
18	329-041 :Fakeman	do.	-	280 : Du	6.1	20				20 : -	D,S	J : Y 3.5.
19	329-042 :Floyd Davis	Alfred	-	280 : Du	6	20				4.68 : 10-25-61	D	H : Summer cottage.
20	328-042 :Fector Roux	do.	-	270 : Dr	180	6				2 : -	D,S	P : Iron reported.
21	330-035 :Cousens Memorial School	Lyman	1957	210 : J	38	-				35-40 : -	D,S	J
22										- : -	T	N : Probably to bedrock.

* Location numbers 338-029 = 43°38' -70°29', 341-032 = 43°41' -70°32', etc.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Altitude	Type	Year above sea level	Diameter of well	Principal water-bearing material	Geologic unit	Level	Date of measurement	Type of pump	Remarks	
25	330-034	Advent Christian Church	Dayton	1960	180	Dr.	145	6	Bedrock	-	-	D	Y 1 3/4. Bedrock near surface.	
26	330-034	George McAlevey	Lyman	-	210	Dr.	28.2	30	Gravel	Ice-contact deposits	27.88	10-25-61	D	P
27	330-034	Raymond Dede	do.	1961	200	Dr.	153	6	Bedrock	-	-	D	J	
28	330-038	do.	do.	-	350	Dr.	10.5	30	-	Bedrock	-	-	P	
29	330-036	W. C. Smith	do.	-	267	Dr.	16	36	Sand and gravel	Ice-contact deposits	7.76	10-25-61	A	N
30	330-035	Mrs. Mason	do.	-	210	Dr.	12.1	25	do.	do.	9.70	10-25-61	S	CYL. Iron reported.
31	317-049	William Hunt	Berwick	-	225	Dr.	21.7	36	Sand	Bedrock	13.19	10-26-61		
33	317-049	do.	do.	-	225	Dr.	17.5	36	do.	do.	13.14	10-26-61	N	N
35	316-048	H. L. Emery	do.	-	170	Dr.	19.5	30	-	do.	14.80	10-26-61	N	N
36	331-044	Thomas W. McConkey	Waterboro	-	590	Dr.	30	-	do.	do.	-	D	P	
37	328-040	Massahesic Exp. Forest	Lyman	-	320	Dr.	161	6	Bedrock	do.	20	D	J	PCA.
38	328-034	Ralph Pillsbury	Arundel	-	110	Dr.	240	6	do.	flows	-	D	J	Also supplies filling station. Reported 100 ft. of clay, 60 ft. of sand above bedrock.
39	328-033	Mrs. John Paquet	do.	1945	90	Dr.	137	6	Gravel	Till?	10	D, S	J	C. PCA. 12 ft. of clay.
39a	328-033	do.	do.	1945	100	Dr.	335	6	Bedrock	flowed	-	A	N	Water salty, 190 ft. to bedrock.
40	328-035	Byron Kimball	do.	-	200	Dr.	230	6	do.	-	-	-	-	Insufficient supply.
41	328-036	Day's Lunch	Lyman	-	215	Dr.	14	1½	Sand	Outwash	5	D, C	C	PCA. Also supplies restaurant.
42	332-034	Ernest Hill	Dayton	1945	185	Dr.	79	6	Gravel	Premarine stratified drift	-	D, S	J	Y 5.
43	332-034	Robert Taylor	do.	1945	180	Dr.	90	6	do.	do.	-	A	N	Y 20. House burned in 1947 fire.
44	331-033	Mary Waterhouse	do.	1948	180	Dr.	142	6	Bedrock	-	-	D	J	Y 2.
45	332-036	G. K. Grandham	do.	1949	265	Dr.	54	6	Sand and gravel	Ice-contact deposits	-	D	CYL	Y 15.
46	332-034	Robert Taylor	do.	-	180	Dr.	100	6	Premarine stratified drift	60	-	D	-	Very large flow.
47	332-033	Clement Meserve	do.	1945	180	Dr.	56	6	Bedrock	-	-	D, S	-	Y 15. Reported about 18 ft. to bedrock.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user.	Town	Altitude:		Year above sea level:	Type of well:	Depth of well:	Diameter of well:	Character of well:	Principal water-bearing material:		Geologic unit:	Level of water measurement:	Date of measurement:	Type of pump:	Remarks
			(feet)	(inches)						(feet)	(inches)					
48	341-035 : Bonny Eagle High School	Buxton	1960	295	Dr	30	-	-	Sand and gravel	Ice-contact	-	-	-	8-16-60	P	POA.
49	341-035 : do.	do.	1960	295	Dr	30	-	-	Gravel	deposits	-	-	-	8-17-60	D	POA.
50	338-032 : Hanson Jr. High School	do.	1913	225	Dr	86	-	-	do.	do.	-	-	-	8-17-60	S	POA.
51	340-034 : Jack Memorial School	do.	1951	285	Dr	168	-	-	do.	do.	-	-	-	8-17-60	CYL	POA.
52	336-032 : Bar Mills Elementary School	do.	1957	220	Dr	208	-	-	do.	do.	-	-	-	8-17-60	J	POA. Y 3. Reported 15 ft. to bedrock.
53	338-032 : Buxton Center School	do.	1957	225	Dr	209	-	-	do.	do.	-	-	-	8-17-60	J	POA. Y 3. Reported 9 ft. to bedrock.
54	338-036 : Hollis Jr. High School	Hollis	-	200	J	15.1	2½	Sand	Outwash	4.1	8-16-60	ES	P	POA. Six wells at this site.		
55	338-036 : Hollis High School	do.	1961	200	Dr	180	6	-	Bedrock	-	-	-	-	-	-	POA.
56	339-036 : West Buxton Baptist	do.	1919	220	Dr	217	6	-	do.	do.	-	-	-	-	-	Y ½.
57	336-032 : Karl Anderson	Buxton	1961	245	Dr	100	6	-	do.	do.	-	-	-	-	-	Not in use yet.
58	336-034 : Lucene Owens	Hollis	1960	130	Du, P	35	30,6	Sand	Marine deposits?	18.54	8-17-60	D	-	-	-	Pump not installed at time of visit.
59	336-033 : Hollis-Buxton Hospital	do.	1965	200	Dr	66	6	-	Bedrock	-	-	-	-	-	-	Y 10.
60	339-032 : Mrs. Oakley Straw	Buxton	1948	220	J	24	-	-	Till	-	-	-	-	-	-	Also 35 ft. test hole, probably to bedrock.
61	338-032 : Summer Hill	do.	-	210	Du	-	48	-	do.	do.	-	-	-	-	-	Never dry.
62	338-032 : Norman Hill	do.	-	-	Dr	36.5	6	-	Bedrock	4.63	10-30-61	A	N	-	-	House burned.
63	338-032 : do.	do.	1948	-	Du, Dr	65	6	-	do.	do.	-	-	-	-	-	Y 15.
64	337-032 : Regional Gerrish	do.	-	205	Du	55	6	-	Marine	-	-	-	-	-	-	C
65	337-032 : Ray Smith	do.	1948	220	Dr	100	6	-	deposits?	-	-	-	-	-	-	Y 4.
66	330-034 : Leo Goodwin	Dayton	1959	150	Dr	100	6	-	Bedrock	-	-	-	-	-	-	C, POA. Y 2.
68	330-034 : Robert Cole, Sr.	do.	1956	180	Dr	100	6	-	do.	do.	-	-	-	-	-	POA. Y 13. Also used at a dairy.
69	331-032 : Harris Cole	do.	1944	160	Dr	273	-	-	Outwash?	45	-	-	-	-	-	Y 50. 93 ft. to bedrock.
70	331-032 : Robert Cole, Sr.	do.	1961	160	Dr	355	-	-	Bedrock	40-50	-	-	-	-	-	POA. Y 13. Also used at a dairy.
71	331-033 : do.	do.	1953	160	Dr	111	6	-	do.	do.	-	-	-	-	-	Y 3. Also used at a dairy.
72	331-032 : A. Landry	do.	1944	160	Dr	172	6	-	do.	do.	-	-	-	-	-	Y 3. Also used at a dairy.
73	331-032 : do.	do.	1950	160	Dr	296	-	-	do.	do.	-	-	-	-	-	Apparently obtained
73a	331-032 : do.	do.	1950	160	Dr	512	-	-	do.	do.	-	-	-	-	-	insufficient water and was abandoned.
74	331-032 : L. J. Roberts	Biddeford	1949	100	Dr	121	6	-	do.	do.	4	-	-	-	-	Y 20; dd. 7L. 16 ft. to
75	329-031 : William A. Dalliff	do.	1950	100	Dr	209	6	-	do.	do.	35-40	-	-	-	-	bedrock. Water brackish.
76	332-037 : do.	do.	-	310	Du	-	-	-	Till	9.44	-	-	-	-	-	Y 8. 135 ft. of clay above bedrock. Water brackish.
77	312-032 : Ralph O. Winship	Lyman	1953	310	Dr	100	6	-	Bedrock	-	-	-	-	-	-	Y 3. 7 ft. to bedrock.
78	313-035 : Wingate I. Stevens	Buxton	1958	345	Dr	85	6	-	do.	do.	-	-	-	-	-	Y 8. Actually in Cumberland County.
79	311-035 : P. M. Swan	Standish	-	280	Dr	192	6	-	do.	do.	8	-	-	-	-	Y 5. Actually in Cumberland County.
80	341-035 : L. J. Davis	do.	1959	280	J	17	1½	Sand and gravel	Ice-contact	5	-	-	-	-	-	17 ft. to bedrock. Actually in Cumberland County.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well: Location no.	Owner or user	Town	Year completed:	Type of well:	Depth (feet):	Diameter of well:	Principal water-bearing material		Geologic unit	Level of water:	Date of measurement:	Type of pump:	Remarks
							above tide	below sea level	Character	Water measure- ment			
81 : 341-035 : R. H. Bundy		Standish	-	Dr.	150	6	-	-	Bedrock	8	-	D	Y 2. Actually in Cumberland County.
82 : 341-035 : A. L. Carmichael		do.	-	Dr.	137	6	-	-	do.	-	-	D	Actually in Cumberland County.
83 : 341-035 : Ovide St. Pierre		Buxton	1960	Dr.	120	6	-	-	do.	29	-	D, S	Y $\frac{1}{2}$. 35 ft. to bedrock.
84 : 340-033 : Wilbur S. Roberts		do.	-	Dr.	14	1 $\frac{1}{4}$	Sand and gravel	-	Ice-contact deposits	12	-	D	Less than 1 gpm about 3 ft. above land surface.
85 : 339-036 : P. W. Plummer		Hollis	-	Dr.	110	6	-	-	Bedrock	-	-	D	W
86 : 338-035 : Frank H. Jewett		Buxton	-	Du.	10	36	-	-	do.	6	-	D, S	PCA, Su
87 : 338-035 : Frederick Smith		do.	1953	J	205	-	-	-	do.	-	-	N, T	
88 : 338-035 : L. A. Gerrish		do.	-	Dn.	-	-	-	-	Ice-contact deposits	-	-	D	C
89 : 339-032 : Mrs. Oakley Straw		do.	-	Du.	16.5	-	-	-	do.	-	-	D	
90 : 339-031 : Capt. George Beesley		do.	-	Dn.	22	1 $\frac{1}{2}$	-	-	Ice-contact do.	20	-	D	C
92 : 340-029 : D. Worster		do.	-	Dn.	30	1 $\frac{1}{4}$	Sand	-	do.	-	-	D	-
93 : 339-030 : Andrew S. Flood		do.	-	Dn.	24	1 $\frac{1}{2}$	-	-	do.	-	-	D	C
94 : 337-031 : Lawrence Panek		do.	1949	Dr.	152	6	-	-	Bedrock	-	-	D	-
95 : 339-034 : Harold Smith		do.	1950	Dr.	84	6	-	-	do.	11	-	D, S	Y 4. 14 ft. to bedrock.
96 : 340-035 : George Elwell		do.	1954	Dr.	115	6	-	-	do.	-	-	D, S	Y 3. 20 ft. to bedrock.
97 : 339-033 : Bessie McLeese		do.	-	Dr.	125	6	-	-	do.	-	-	D, S	Y 23. Reported 20-30 ft. to bedrock.
99 : 337-029 : John E. Hayes		do.	-	Dr.	360	6	-	-	do.	-	-	D	-
100 : 337-030 : Buxton Grange #95		do.	1942	Dr.	75	6	-	-	do.	-	-	D	-
101 : 336-032 : Alton Wood.		do.	1956	Dr.	110	6	-	-	do.	-	-	D	-
102 : 335-033 : Carroll A. Priest		do.	1961	Dr.	175	6	-	-	do.	26	-	D	-
103 : 335-033 : Emil Gederfelt		do.	1961	Dr.	280	6	-	-	do.	-	-	D	-
104 : 334-038 : Edmond McLaughlin		Lyman	1953	Dr.	65	6	-	-	do.	-	-	D, C	Y 2. Restaurant.
104a : 334-038 : do.		do.	-	Dn.	25	1 $\frac{1}{2}$	Sand and gravel	-	Ice-contact deposits	-	-	D, C	-
105 : 335-037 : L. H. Seaman		Hollis	1948	Dr.	100	6	-	-	Bedrock	-	-	D	-
106 : 330-041 : -		Lyman	-	Du.	76	30	-	-	do.	7.05	11-8-61	D	-
107 : 330-042 : Notre Dame Institute		Alfred	1957	Dr.	284	8	-	-	Bedrock	42	-	D, S	Y 10.
109 : 330-038 : H. W. Savell		Lyman	1948	Dr.	144	6	-	-	do.	23	-	D	Y 8.
110 : 332-038 : -		do.	-	Du.	11.0	36	-	-	Ice-contact do.	9.66	11-8-61	D	Summer place, bedrock.
111 : 334-036 : Hollis Lumber Co.		Hollis	1944	Dr.	192	-	-	-	Bedrock	-	-	D	P
112 : 334-036 : Mrs. Cecil Clark		do.	1943	Dr.	108	6	-	-	do.	-	-	D	-
113 : 336-035 : Ruth Noble		do.	-	Dr.	100	6	-	-	do.	-	-	D	-
114 : 336-035 : Carl Landry		do.	-	Dr.	225	6	-	-	do.	15	-	D	-
115 : 336-032 : Charles Sutton		Buxton	1960	Dr.	127	6	-	-	do.	-	-	D	-
116 : 336-032 : Marion Hague		do.	1955	Dr.	127	6	-	-	do.	3	-	D	-
117 : 337-035 : Leslie Weiserve		Hollis	-	Du.	18.0	60	Clay	-	Marine deposits	8.90	11-8-61	D, S	P
118 : 338-038 : Harold Johnson		do.	-	Du.	18	36	Sand and gravel	-	Ice-contact deposits	15	-	D	Well dug to bedrock.
119 : 337-039 : Earl Riley		do.	1950	Dr.	47	6	-	-	do.	-	-	D	Low in summer.
120 : 337-040 : J. H. Campbell		do.	-	Du.	380	17.0	-	-	Bedrock	11.31	11-8-61	D	Treated to remove iron.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well- no.	Location	Owner or user	Town	Altitude (ft.)	Year com- pleted	Type of well	Depth of well	Diameter of well	Principal water-bearing material	Geologic unit	Level of water	Date of use	Type of pump	Remarks	
121	337-040	J. H. Campbell	Hollis	1948	380	Dr.	166	6	-	Bedrock	-	D	-	Y 10.	
122	332-044	Harold B. Howard	Waterboro	-	310	Dr.	78	6	-	do.	flows	-	D	J	Y $\frac{7}{2}$. Reported 20 ft. to bedrock. Flows $\frac{7}{2}$ gpm over top.
123	332-042	Malton Daney	do.	-	270	Du	16	24	Sand	Outwash	8	-	D	-	
124	332-041	George F. Smith	do.	-	360	Dr.	148	6	-	Bedrock	25-30	-	D	J	Y 35. Reported 78 ft. to bedrock.
125	332-042	Daphne Turgeon	do.	-	270	Dr.	115	-	-	do.	25	-	D	J	Y 10. Drilled to bedrock.
126	331-041	Willard Rollins	Lyman	1948	370	Dr.	93	8	Coarse gravel	Till	8	-	D,S	J	Y 10. Drilled to bedrock.
127	333-042	Heritage Trophies	Waterboro	1961	280	Dr.	440	8	-	Bedrock	12	-	D,C	S	Y 12. Bedrock reported at 28 ft.
128	332-042	Gerald Stromberg	do.	1949	270	J	20	-	Sand	Outwash	-	-	-	-	43 ft. test hole; probably to bedrock.
129	332-042	Frank Belmonte	do.	1959	265	Dr.	85	6	-	Bedrock	5	-	D,C	J	PCA. Y 150. Store. Reported 42 ft. to bedrock.
130	333-045	Frank Laskey	do.	1956	670	Dr.	69	6	-	do.	10	-	D	P	Y 12. Reported 9 ft. to bedrock.
131	333-045	Forrest Laskey	do.	1956	600	Dr.	59	6	-	do.	8.71	11-14-61	D,S	J	35 to 40 ft. to bedrock.
132	328-044	Landon Hilton	Kittery	-	205	Du	16	36	-	Till	8	-	D	P	Y 128; dd 32. Yield too
133	321-039	George Fenderson	Wells	-	185	Dn	20	1 $\frac{1}{2}$	Sand	Outwash	8	-	D	C	Y 8.
134	325-037	Earl Goldammer	Kennebunk	-	220	Dr.	75	6	-	Bedrock	30	-	D	H	Y 3.
135	340-035	Stanley Townsend, Jr.	Buxton	1952	120	Dr.	100	6	-	do.	14	-	D	-	
136	311-047	South Berwick Rod and Gun Club	South Berwick	1960	15	Dr	98	6	Gravel	Till?	-	-	D,S	-	Clay over gravel; not to bedrock.
137	308-049	Adolph DeRoy	Elliot	1959	15	Dr	98	6	-	Till?	-	-	D	-	
138	315-050	J. J. Quill	Berwick	1960	140	Dr.	156	6	-	Bedrock	16	-	D	-	Y 5.
140	307-043	Kittery Water District	Kittery	1942	40	Dr.	38	24	Sand and gravel	Till?	flows	-	A	N	Y 128; dd 32. Yield too small.
141	314-047	South Berwick Water District	South Berwick	-	110	Dr	53	12	Sand	do.	-	-	BS	T	Y 40.
142	314-047	do.	do.	1946	110	Dr	60	12	do.	do.	-	-	BS	T	Y 40.
143	319-044	L. R. Boston	North Berwick	-	145	Dr	275	6	-	Bedrock	20	-	D,C	C	Y 3. Meat packing plant.
144	320-043	Lilly Beaners	do.	-	230	Dn	33.5	1 $\frac{1}{2}$	Sand	Outwash	29-48	3-4-58	A	N	Water level got too low; abandoned in 1957.
144a	320-043	do.	do.	1958	230	Dr	100	6	do.	do.	-	-	D	J	PCA. High in iron; drilled to bedrock.
145	324-043	E. Andrew Peterson & Co.	Sanford	-	240	Dr	235	6	-	Bedrock	flows	-	C	-	Reported 25 ft. to bedrock.
146	327-043	Alfred Water Co.	Alfred	-	240	Du	28	96/120	Sand and gravel	Ice-contact deposits	-	-	BS	C	
147	306-040	Charles Dentremont	York	-	25	Dr	70	6	-	Bedrock	12	-	D	-	Y 7 $\frac{1}{2}$; dd 25. Encountered water at 62 ft.
148	316-037	Roger Anderson	Wells	1960	110	Dr	90	6	-	do.	6.20	10-6-60	D	-	Y 8. New well at time of visit, no pump installed.
149	321-050	-	Berwick	-	325	Du	11.9	24	Sand	Outwash	6.05	7-16-59	A	N	
150	321-050	-	North Berwick	-	340	Du	38.5	36	-	Till	31.25	8-31-59	A	N	
151	322-032	C. S. Page	Kennebunk	-	30	Du	14.0	36	Sand	Outwash	9.75	6-2-60	D	-	
152	322-046	-	North Berwick	-	440	Du	7.5	24	-	Till	6.85	7-31-59	A	N	
153	324-049	Formerly Palmer's Motel	Lebanon	-	435	Dr	16.1	36	-	do.	12.32	7-24-59	D,N	N	Reported 20 ft. to bedrock.
154	329-049	Formerly Palmer's Motel	Sanford	1960	500	Du	103	6	Stand and gravel	Ice-contact deposits	8.45	9-7-60	D	-	Summer cottage. New well at time of visit, no pump installed.
155	330-052	Chester Emmons	Acton	-	-	-	-	-	-	-	-	-	-	-	

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude	Type	Year above com-	Depth	Diameter	Principal water-bearing material	Geologic unit	Level	Date of measure-	Water of pump	Type of pump	Remarks
156	326-052; Cyril T. Potter	Lebanon	-	365	Du	11.2	36	Sand and gravel	Ice-contact deposits	8.83	11-15-61	D	C	C.
157	326-052; Potter Brothers	do.	-	375	Dr	140	6	-	Bedrock	4	-	D,S	C	C. Y 60.
159	322-056; James Sinclair	do.	1960	445	Dr	190	6	-	do.	-	-	D	J	Y 2 $\frac{1}{2}$.
160	322-057; Newton Allen	do.	-	500	Da	17.3	24	-	Till	8.43	11-15-61	D	J	Y 5. Reported 11 ft. to bedrock.
161	320-055; Melvin Bailey	do.	1959	280	Dr	119	6	-	Bedrock	20	-	D	J	Went dry in summer of 1960.
163	319-054; Danny Paine	Berwick	-	225	Du	15.8	30	Sand	Outwash	14.50	11-15-61	D	-	-
164	316-052; Joseph Drago	do.	-	190	Du	20	24	-	Till	9	-	D	P	-
165	316-052; M. T. Newsby	do.	-	195	Dr	300	6	-	Bedrock	-	-	D	-	-
166	315-051; C. Vigne	do.	1961	180	Dr	46	6	-	do.	8	-	D,C	-	Y 25+. Restaurant. Reported 14 $\frac{1}{2}$ ft. to bedrock. Reported drawdown by bailer test.
167	316-051; Kenneth Horne	do.	1959	260	Dr	228	6	-	do.	12	-	D	J	Y 10; dd 8 $\frac{1}{2}$. Yield and drawdown by bailer test.
168	316-052; Kenneth McCormish	do.	1959	220	Dr	95	6	-	do.	6	-	D	-	-
169	316-052; Leo Belair	do.	1959	210	Dr	150	6	-	do.	4	-	D	J	Y 2 $\frac{1}{2}$; dd 136. Yield and drawdown by bailer test.
170	317-049; Morris Gilpatrick	do.	1959	210	Dr	146	6	-	do.	16	-	D	J	Y 7 $\frac{1}{2}$; dd 130. Yield and drawdown by bailer test.
171	319-048; Vincent Rudolph	do.	1959	380	Dr	80	6	-	do.	10 $\frac{1}{2}$	-	D	P	Y 6.
172	319-049; Daniel Cooley	do.	1959	440	Dr	120	6	-	do.	36	-	D	J	Y 5; dd 64. Yield and drawdown by bailer test.
173	319-049	do.	-	350	Da	17.7	24	-	Till	10.39	11-16-61	D	H	-
174	320-050; Charles Clay	do.	-	270	Da	10.7	30	-	Outwash	4.28	11-16-61	D	Rb	Y 4 $\frac{1}{2}$; dd 294. Reported 76 ft. to bedrock. Yield and drawdown by bailer test.
175	318-051; Arthur Worster	do.	1959	300	Dr	310	6	-	Bedrock	6	-	D,S	J	-
176	318-051; Harry J. Roche	do.	1949	380	Dr	154	6	-	do.	20	-	D,S	J	Y 9. Yield has depreciated to about 1 gpm since time of drilling.
176a	318-051; do.	do.	1939	381	Dr	132	6	-	do.	20	-	W	P	Y 4. Yield depreciated.
177	317-049; Ray Sargent	do.	1960	200	Dr	268	6	-	do.	4 $\frac{1}{2}$	-	D	-	Y 4; dd 196. Yield and drawdown by bailer test.
178	317-047; Robert Canney	do.	1960	200	Dr	205	6	-	do.	-	-	D	J	Y 4 $\frac{1}{2}$. Bedrock 6 ft. reported.
179	316-050; Thomas Day	do.	1959	190	Dr	151	6	-	do.	-	-	D	J	Y 4; dd 141. Reported 10 ft. to bedrock.
180	316-051; Clyde Randal, Sr.	do.	1961	250	Dr	167	6	-	Till	-	-	D,S	J	Y 20. Reported 40 ft. to bedrock.
181	315-049; Percy Golding	do.	1961	150	Dr	99	6	-	Bedrock	-	-	D	J	Y 5 $\frac{1}{2}$. Reported 11 ft. to bedrock.
182	316-048; Hartley Emery, Jr.	do.	1953	170	Dr	105	6	-	do.	10	-	D	J	Y 3. Reported 21 ft. to bedrock.
183	314-046; Arthur St. Pierre	South Berwick	1961	80	Dr	237	6	-	do.	5	-	D	J	Y 5 $\frac{1}{2}$. Reported 40 ft. to bedrock.
184	314-046; do.	do.	1960	80	Dr	170	6	-	do.	7	-	D	J	Y 3. Reported 21 ft. to bedrock.
185	317-041; Ernest Rhodes	Wells	1961	260	Dr	128	6	-	do.	11	-	D	J	Y 20. Reported 5 $\frac{1}{2}$ ft. to bedrock.
186	317-042; R. W. Charboneau	do.	-	260	Du	9.8	24	-	Till	1.81	11-17-61	D	H	Used only in summer.
187	316-041; R. W. Charboneau	do.	-	210	Du	13.0	30	Sand	Outwash	10.70	11-17-61	D	P	-

Table 2.--Records of selected wells and test holes in southeastern Maine--Continued

Well no.	Location	Owner or user	Town	Altitude	Year	above sea level	Type of well	Depth of well	Diameter of well	Character of well	Principal water-bearing material	Geologic unit	Level of measurement	Date of measurement	Type of pump	Remarks
189	315-044	Jim Lee	South Berwick	-	200	Du	45.0	36	Sand and gravel	Ice-contact deposits	36.52	11-17-61	D,S	J		
190	314-043	Mrs. Alfred Harvey	do.	-	120	Du	16.8	30	Sand	Outwash	10.94	11-17-61	D,S			
191	314-043	Florence Boston	do.	1960	160	Dr	205	6	-	Bedrock	23	-	D	H	Y 1; dd 166. Bedrock at 18 ft.	
192	314-043	Mr. Pershey	do.	1961	105	Du	10.5	36	Sand	Outwash	6.80	11-17-61	D	-	New well--not in use at time of measurement.	
193	315-045	George Michaud	do.	-	130	Dr	105	6	-	Bedrock	15	-	D	J	Y 7½; dd 90. Reported 10 ft. to bedrock.	
194	312-047	Monroe's Greenhouse	do.	-	194	Dr	106	6	-	do.	3	-	D,I	J	Y 6.	
195	312-047	A. L. Williams	do.	1959	120	Dr	100	6	-	do.	16	-	D	J	Y 3½.	
196	312-048	Emile A. Boillard	do.	-	120	Dr	35	-	-	do.	1½	-	P	Y 18.	Reported to have turned salty as a result of road salt.	
197	312-048	George Monroe	do.	-	150	Dr	130	6	-	do.	10	-	D	J	Y 4; dd 115. Bedrock at 8 ft.	
198	312-047	Roland Rondeau	do.	1958	120	Dr	99	6	-	do.	-	-	D	P	Y 4½.	
199	312-047	Gerard L. Demers	do.	1959	80	Dr	68	6	-	do.	-	-	D	J	Y 10.	
200	314-045	Raymond Wilkinson	do.	-	110	Du	12	30	-	Wll	4	-	D	S	Dug to bedrock.	
201	313-046	Delmar Boston	do.	-	180	Du	21	42	-	Bedrock	10	-	D,S	P	Y 6½; dd 70.	
202	314-048	Henry Vermette	do.	1960	80	Dr	70	6	-	do.	-	-	D	J	Y 4½.	
203	314-048	Herbert Small	do.	1959	100	Dr	118	6	-	do.	22	-	D	J	Y 7; dd 48.	
204	314-048	Albert Boillard	do.	1960	90	Dr	90	6	-	do.	2	-	D	S	Y 25.	
205	314-048	Albert Pelletier	do.	1961	100	Dr	60	6	-	do.	21	-	D	J	Reported 21 ft. to bedrock.	
206	312-048	Mrs. George Tyson	do.	1911	70	Dr	209	8,6	-	do.	-	-	D	-	Reported 30 to 40 ft. to bedrock.	
207	309-047	Ronald Hinds	Eliot	1961	110	Dr	101	6	-	do.	11	-	D	J	Y 5; dd 89. Reported 2 ft. to bedrock.	
208	329-037	Robert E. Smith	Lyman	-	265	Dn	40	1½	-	Ice-contact deposits	10	-	D	C		
209	327-036	Mrs. Arnold Corey	Kennebunk	1953	200	Dr	80	6	-	Bedrock	8	-	D	-	Y 15. Reported 3½ ft. to bedrock.	
210	327-036	Joel Morissette	Lyman	-	185	Dn	17	-	Sand	Outwash	2½	-	D,S	P		
212	326-034	Herman Cohen	Kennebunk	-	140	Du	-	42	do.	do.	22	-	D	C		
213	331-029	Lillian Patterson	Saco	1959	125	Dr	430	6	-	Bedrock	42	-	-59	D,S	-	
213a	331-029	do.	do.	1959	125	Dr	610	6	-	do.	-	-	A	N	Y 1 1/3. Yield inadequate. Reported 58 ft. to bedrock.	
213b	331-029	do.	do.	1959	350	Dr	350	6	-	do.	40	-	A	N	Yield inadequate. Reported 40 ft. to bedrock.	
214	327-046	Harold Shaw	Sanford	1947	400	Dr	109	6	-	do.	15	-	D,S	-	Y 10. Dairy. Reported 14-35 ft. deep; 4 6-inch wells 25 ft. deep.	
215	327-046	do.	do.	1956	400	Dr	224	6	-	do.	-	-	D,S	-	Y 30. Dairy. Reported 18-inch well 10 ft. deep; and 4 3-inch wells 10 ft. deep.	
216	327-046	Sanford Water District	do.	-	-	-	-	-	Sand and gravel	Ice-contact deposits	-	-	BS	-		
217	341-034	M. W. Stover	Buxton	1973	270	J	30	-	-	Bedrock	-	-	T	-		
218	305-045	Valle's Steak House	Kittery	1957	40	Dr	96	6	-	do.	-	-	C	-	Restaurant, Y 4½.	
219	324-023	Arthur V. Boyce	Biddeford	1961	20	Dr	167	6	-	do.	14.00	5-2h-62	D	-	Water salty.	
219a	324-023	do.	do.	1961	20	Dr	204	6	-	do.	-	-	A	N	Y 1½.	
220	325-030	Silliker's Lobster Pound	Arundel	-	110	Dr	25	6	-	do.	-	-	D,C	-	FCA; overnight cabins, etc.	
221	327-029	Superior Auto Parts	do.	1959	120	Dr	262	6	-	do.	10	-	D	-	Y 30.	

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude	Year above sea level	Type of well	Depth (ft.)	Diameter of well (inches)	Character of well (inches)	Principal water-bearing material	Geologic unit	Water level	Date of measurement	Type of pump	Remarks
222	334-028	Frank S. Prior	1957	165	Dr.	138	6	6	Bedrock	30	-	D, S	-	Y $\frac{5}{4}$.
223	333-029	Harley Scammon, Jr.	1955	150	Dr.	123	6	6	do.	35	-	D	-	Y $\frac{1}{2}$.
224	332-023	Francis Townsend	1948	40	Dr.	200	6	6	do.	35	CYL	Y 2.	Reported about 100 ft. to bedrock.	
225	309-049	Donald A. Prescott	1961	20	Dr.	105	6	Clay	Marine	10	-	D	J	Y 15. Reported 96 ft. to bedrock.
226	308-044	John Patten	do.	1959	40	Dr.	116	6	do.	16	-	D	J	Y 4. Reported 50 ft. to bedrock.
227	314-048	South Berwick Water District	1961	110	Dr.	53	12	Sand and gravel	Premarine	1	-	PS	T	L. FCA. T 48 6/29/61. Y 75.
228	311-048	do.	1961	110	Dr.	53	12	do.	stratified drift?	+1.5	-	PS	T	L. FCA. T 48 6/29/61. Y 42. Bored for fallout shelter.
229	332-025	Arthur Willsey	1961	100	B	30	6	Clay	Marine	-	-	D	-	-
230	331-022	Paradise Park	1961	45	Dr.	72	6	-	Bedrock	2	-	D	J	Y 40. Reported 32 ft. to bedrock. Camping ground.
231	331-043	Charles M. Thornton	-	260	Dr.	28	14	Sand	Outwash	18.	-	D	C	Reported clay at 15 ft.
232	321-034	Forrest Coffron	1959	140	Du.	12	do.	do.	Bedrock	-	-	D	-	Y $\frac{2}{3}$. Did not locate.
233	-	Stephen Chapman	1948	180	Dr.	145	-	-	do.	-	-	D, S	J Y 5.	
234	318-045	Sidney Hall, Jr.	1948	210	Dr.	100	6	-	do.	-	-	D	J	Y 2. Reported 30 ft. to bedrock.
235	320-037	Lillian Shanahan	1948	210	Dr.	65	-	-	do.	-	-	D	C	Reported clay at 15 ft.
236	312-034	Eric Peterson	1960	60	Dr.	340	6	-	do.	26.64	6-19-66	D	X	Y $\frac{1}{2}$. Not yet in use.
237	312-034	do.	1960	60	Dr.	280	6	-	do.	-	-	D	-	Y 3.
238	321-025	David Wilcox	1953	30	Dr.	100	6	-	do.	-	-	D	-	Y 3.
239	322-029	L. K. Marshall	1948	30	Dr.	122	6	-	do.	-	-	D, S	-	FCA. Y 1. Reported 10 ft.
240	326-025	Charles W. Baker, Jr.	1951	80	Du, Dr.	53	6	Sand and gravel	Outwash	36	-	D	-	Y 30.
241	-	Harry Rowell	1951	-	Dr.	148	6	-	Bedrock	-	-	D	-	Did not locate.
242	328-044	Richard Foster	1947	280	Dr.	75	6	-	do.	8	-	D	C	Reported 68 ft. to bedrock.
243	328-034	Frank Kimball	1959	180	Dr.	130	6	-	do.	-	-	J	-	Y 3. Reported 75 ft. to bedrock. Contains iron.
244	-	Alfred Arundel	-	20	Dr.	201	-	-	do.	-	-	A	-	Y 20.
245	322-032	Rogers Fibre Company	1943	180	Dr.	38	-	-	do.	-	-	D, S	-	Y 2.
246	333-032	Beroy L. Beets, Sr.	1953	180	Dr.	69	6	-	do.	20	-	D, S	-	Y 30.
247	333-026	Alme J. Doyon	1960	-	Dr.	115	6	-	flows	42	-	D	-	Y $\frac{1}{2}$. Reported 64 ft. to bedrock. Not located.
248	332-030	Audien Roy	1957	-	Dr.	113	6	-	do.	-	-	D	-	Y 15. Not located.
249	332-030	Charles P. Eaton	1952	400	Dr.	404	6	-	do.	100	-	D	-	Y $\frac{1}{2}$. Reported 125 ft. to bedrock.
250	332-030	do.	1956	-	Dr.	267	6	-	do.	45	-	D	-	Y 3/4. Reported 98 ft. to bedrock. Not located.
251	332-030	do.	1955	-	Dr.	195	6	-	do.	25	-	D	-	Y 7. Not located.
252	340-043	R. R. Cushing	1952	-	Dr.	201	-	-	do.	-	-	D	-	Y 40. Summer cabins.
253	-	Harold Emery	do.	1956	-	Dr.	6	-	do.	-	-	D	-	Y $\frac{1}{2}$. Reported 6 ft. to bedrock.
254	-	J. S. Eastham	1955	-	Dr.	195	6	-	do.	-	-	D	-	Y 4. Summer cabins.
255	-	Kenneth Edgcomb	1949	-	Dr.	215	6	-	do.	-	-	D	-	Y $\frac{1}{2}$. Reported 6 ft. to bedrock.
256	331-023	Mrs. R. E. Ostrander	1946	100	Dr.	63	6	-	do.	4	-	D	-	Y 4. Reported 12 ft. to bedrock. Summer cabins.
257	332-023	Mr. Stover	1957	80	Dr.	60	6	-	do.	-	-	D	-	Y $\frac{1}{2}$. Reported about 6 ft. to bedrock.
258	332-024	Alice Arnold	1948	80	Dr.	90	-	-	flowed	-	-	D	-	-
259	328-024	L. F. Orr	1950	20	Dr.	88	6	-	do.	-	-	D	-	-

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.:	Owner or user	Town	Year com- pleted:	Type of well:	Depth (feet):	Diameter of well:	Character of water-bearing material:	Principal water-bearing material:	Level of water:	Date of use:	Water measure- ment:	Type of pump:	Remarks	
262	334-024: Alfred E. Ross	Scarboro	1955	130	Dr.	101	6	Bedrock	8	-	D	-	Y 20. Actually in Cumberland County.	
263	-: Louis A. Beaute	Gorham	1952	-	Dr.	130	6	do.	8	-	D	-	Y 1. Not located.	
264	-: George W. Stiles, Jr.	do.	1952	-	Dr.	140	6	do.	-	-	D	-	Cumberland County.	
265	-: Henry Watson	do.	1959	-	Dr.	145	-	do.	-	-	D	-	Y 5. Not located.	
266	-: Marion Dyer	do.	1959	-	Dr.	190	-	do.	30	-	D	-	Y 10. Not located.	
267	-: Edwin Smith	do.	1958	-	J	31	-	Ice-contact deposits	-	-	D	-	Not located. Probably at Bonny Eagle Pond.	
268	-: Harold Morse	do.	1957	-	J	28	-	do.	-	-	D	-	Not located. Probably at Bonny Eagle Pond.	
269	-: Donald Jones, do.	Eliot	1959	-	Dr.	85	-	Bedrock	-	-	D	-	Not located.	
270	313-034: Cliff House	York	1939	80	Dr.	386	6	do.	68	-	D	-	Y 35. Summer hotel.	
271	313-034: do.	do.	1929	80	Dr.	157	-	do.	50	-	D	-	Y 35. Summer hotel.	
272	329-033: Esso Standard Oil Company	Kennebunk	1951	110	Dr.	200+	6	do.	-	-	D,C	-	J.C. Filling station.	
273	307-048: C. W. Fernald	do.	-	60	Du	18	36	Clay	5	-	D	-	J.C.	
274	335-033: Mr. Goodier	Hollis	1948	160	Dr.	99	6	Bedrock	35	-	D	-	Y 15. Reported 9 ft. to bedrock.	
275	336-035: Dr. Richard H. Wallace	do.	1948	170	Dr.	147	6	do.	11	-	D	-	Y 5. Reported 16 ft. to bedrock.	
277	337-043: Nettie Johnson	Waterboro	1948	350	Dr.	120	6	do.	15	-	D	-	Y 8. Reported 40 ft. to bedrock.	
278	312-036: James Ritchie	York	1954	130	Dr.	65	6	do.	18	-	D,C	-	J.C. Y 10. Also used for drive-in restaurant.	
279	325-034: Warren Wyman	Kennebunk	-	120	Dr.	120	6	do.	-	-	D,S	-	Y 18. Bedrock close to surface.	
280	324-033: Florence Noury	do.	1961	135	Dr.	54	6	do.	8	-	-	-	Y 8.	
281	325-033: Carl Russell	do.	-	110	Da	10	1½	Sand	Outwash	-	D,S	-	Reported 24 ft. to bedrock.	
282	325-033: B. H. Nickerson	do.	1950	140	Dr.	156	6	Bedrock	7	-	D	-	Do.	
283	326-031: George Williamson	Arundel	-	110	Da	9.1	18	Clay	Marine	3.12	5-23-62	D	-	Dug to bedrock.
284	326-031: Paul Oliver	do.	-	120	Da	18	-	Till	-	-	D,S	-	Dug to bedrock. Usually goes dry in March.	
285	325-031: Edward A. Birchall	do.	-	90	Da	9.0	24	Sand	Outwash	3.20	5-23-62	D,N	-	D
286	321-031: P. Freeman Welch	do.	-	120	Da	22.2	36	do.	14.23	5-23-62	D	-	Dug to bedrock. Bottom dynamited.	
287	323-030: Melrose Burnell	do.	-	40	Da	26	-	Clay	Marine	10	-	D	-	H
288	323-031: Mrs. W. H. Whelan	do.	-	80	Da	16	-	do.	Outwash	-	D	-	D	
289	323-031: do.	do.	1961	70	Dr.	206	6	Bedrock	29.57	5-23-62	N	-	Y 6. New well.	
290	322-027: Homer Harrington	Kennebunkport	-	55	Da	7.8	36	Till	47	5-23-62	D,S	-	Never dry.	
291	322-025: Dr. William Mahoney	do.	-	15	Da	-	-	Dune sand	-	-	N	-	N	
292	321-031: Harry Stevens	Kennebunk	-	30	Dn	55	1½	Clay and sand	Marine	-	D	-	-	
293	323-025: V. B. Kneeland	Kennebunkport	1959	15	Dr.	225	6	do.	do.	-	D,Tr	-	J	
294	322-028: Fred Walker	Arundel	-	45	Da	22	36	do.	Outwash	-	D	-	-	
295	324-026: Ralph Campbell	Kennebunkport	1947	50	Da	6	36	do.	do.	-	P	-	Y 20. Irrigates garden.	
296	325-026: -	do.	-	60	Du	14.6	24	do.	do.	6.70	5-24-62	A	-	5-24-62:

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude: feet	Year: above sea level: completed: level: well: (feet): (inches)	Type: of well: of well: (feet): (inches)	Depth: diameter: character: (feet): (inches)	Principal water-bearing material: Geological unit	Water level: measurement	Type of pump	Remarks
297 : 326-024	Norman Lowell	Biddeford	-	60 : Du : 9.0 : 36	Sandy clay	1.50 : Marine deposits	5-24-62: D, N	N		New well.
298 : 326-024	Roger Bertrand	do.	1960	60 : Dr : 62 : 6	-	Bedrock	-	D	J	Y 4. Reported 4 ft. to bedrock.
299 : 326-024	Roger H. Davis	do.	-	40 : Dr : 83 : 6	-	do.	-	D	J	Irrigates garden.
300 : 320-031	Parsons Farm	Kennebunk	-	20 : Du : 20.0 : 1 $\frac{1}{4}$	Sand	Outwash	10.35 : Dune sand	Ir	C	At house on Parsons Beach.
301 : 320-031	do.	do.	-	10 : Du : 13.7 : 1 $\frac{1}{4}$	do.	do.	10.26 : Hill?	D	N	Not in use yet.
302 : 320-033	Laudholm Farms	Wells	-	20 : Du : 8 : 48	Sand and gravel	-	-	D	P	
303 : 320-034	Charles N. Smith, Jr.	do.	-	120 : Dr : 64 : 6	-	Bedrock	25	D	J	Y 3.
305 : 322-035	Wells Branch Community House	do.	-	200 : Dr : 50 : 6	-	do.	4.16 : 4-62	D	CYL	Not used frequently. Water rusty.
306 : 328-023	Richard Keezer	Saco	-	25 : Du : 9 : 15	Sandy clay	Marine deposits	-	N	N	
307 : 324-036	-	Kennebunk	-	170 : Dn : 10.5 : 1 $\frac{1}{4}$	-	Outwash	5.80 : Hill	A	N	
308 : 326-037	H. E. Knight	do.	-	190 : Du : 16 : 7	-	do.	4.00 : 6-4-62	D	-	
309 : 326-037	Carl St. Clair	do.	-	190 : Du : 9 : 24	-	Ice-contact deposits	6.97 : 6-4-62	D	-	Not in use at present.
310 : 326-035	Mrs. Charles Nest	do.	-	165 : Du : 14.0 : 24	-	Outwash	near surface	D, S	-	
312 : 327-032	Donat Madone	Arundel	-	120 : Du : 14 : 96 x 120: Sand and gravel	-	do.	6-4-62: D, S	-		
313 : 326-034	L. F. Buzzell	Kennebunk	1959	145 : Du : 12 : 6	Sand	Bedrock	3 : 8	D	Su	Y 30. Reported 40 ft. to bedrock.
314 : 321-031	G. W. Cochran, Jr.	do.	20	20 : Dr : 153 : 6	-	do.	-	D	J	Irrigates small garden.
315 : 321-031	do.	do.	-	20 : Du : 14.3 : 24	Sand	Outwash	8.19 : Bedrock	Ir	Rb	Y 33.
316 : 321-032	Mrs. E. Brewster Sewall	do.	-	20 : Dr : 40.0 : 6	do.	do.	-	D, S	-	Reported drilled to 150 ft.
317 : 323-036	Mr. Melrose	do.	-	145 : Du, Dr : 150 : 24, 6	Sand and clay	Outwash	9.65 : 6-5-62: D	D	H	Not to bedrock.
318 : 323-036	Charles Chase and Son	do.	-	160 : Dr : 220 : 6	-	Bedrock	60	C	S	PCA. Y 50+. Reported 80 ft. to bedrock. Berry processing plant.
319 : 323-037	do.	do.	-	180 : Dn : 15 : 1 $\frac{1}{4}$	Sand	Outwash	5 : 45	D	-	
320 : 324-044	Robert Austin	Sanford	-	285 : Dr : 190 : 6	-	Bedrock	-	D, G	-	
321 : 323-043	Forrest Cabana	do.	-	285 : Dr : 209 : 6	-	do.	-	D	-	Y 5. Reported 9 ft. to bedrock.
322 : 322-041	Wilfred Lehoux	do.	-	210 : Dn : 12 : 1 $\frac{1}{4}$	Sand	Outwash	8 : 11.90	D	-	
323 : 322-042	William Buckley	do.	1959	210 : Du : 15 : 36	do.	Bedrock	-	D, S	-	
324 : 322-042	do.	do.	-	230 : Dr : 110 : 6	-	do.	-	D	-	
325 : 322-043	Harold S. Goodwin	do.	-	310 : Du : 20 : 36	-	Hill	5-17 : 10	D	-	
326 : 323-044	John D. Daigle	do.	-	220 : Du : 16 : 1 $\frac{1}{4}$	-	Ice-contact deposits	-	D	-	
327 : 338-050	Newfield	Arundel	1956	440 : Du : 9.2 : 30	-	do.	4.86 : 6-11-62: D, Ir	-		Used in greenhouse.
328 : 326-032	Arundel Elementary School	Shapleigh	-	85 : Dr : 75 : 6	-	Bedrock	-	P, S	-	PA. School.
329 : 337-049	do.	do.	-	400 : Du : 8.1 : 30	-	Ice-contact deposits	5.83 : 6-11-62: D	D	-	Summer cottage on Poverty Pond.
330 : 335-048	James Bradburn	Waterboro	-	440 : Dn : 15 : 6	-	do.	-	D	-	
331 : 335-048	Harley Cook	Shapleigh	-	500 : Dr : 80 : 6	-	Bedrock	30 : 30	D, S	J	Y 4. Reported 16 ft. to bedrock.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued.

Well no.	Location	Owner or user	Town	Altitude	Type	Depth of well	Principal water-bearing material	Date of measurement	Type of pump	Remarks
				Year con-	above sea level	Diameter of well (feet)	Character of water-bearing material	Geologic unit		
				pleved	level	(feet)				
332	336-053	O. G. Ross	Shapleigh	-	530	Du	22.0	30	-	15.19 6-11-62: D - Adequate even in periods of drought.
333	336-053	Libby's General Store	do.	-	530	Dr	103	6	-	20 6-11-62: D - Reported 8 ft. to bedrock.
334	333-050	-	do.	-	600	Du	14.0	30	-	5.31 6-11-62: A - N
335	334-050	Mr. Mann	do.	-	620	Du	12.8	36	-	5.80 6-11-62: D - N
336	333-050	Vinton T. Ridley	do.	-	700	Du	100	6	-	17 6-11-62: D - N
337	333-051	-	do.	-	490	Du	14.9	8	-	9.37 6-11-62: D - N
338	331-050	Lawrence Brown	do.	-	730	Dr	-	6	-	do. -
339	331-050	Charles A. Blanchard	do.	-	620	Du	22	30	-	do. -
340	332-051	Memorial School	do.	-	650	Dr	200	6	-	11 6-12-62: D - PS
342	333-057	Camp Sa-Gis-Qa	Acton	-	630	Du	11.2	30	-	4.12 6-12-62: D - PCA, Girl Scout Camp.
343	331-053	Dewey Crawford	do.	-	630	Dr	106	6	-	10 6-12-62: D - Y 10.
344	334-057	Donald Crawford	do.	-	740	Du	32.2	30	-	13.22 6-12-62: D - PCA.
345	335-054	Harold Horne	do.	-	660	Du	22.5	30	-	9.72 6-12-62: D - D
346	336-057	-	do.	-	820	Du	12.9	30	-	6-12-62: D - D
347	334-055	Charles Stevens	do.	-	580	Du	15	2	-	6-12-62: D - C
348	334-055	E. L. Pearson	do.	-	610	Dr	145	6	-	23.22 6-12-62: N - N
349	332-054	George E. Wylie	do.	-	690	Du	32	36	-	do. -
350	332-054	Robert G. Benson	do.	-	690	Dr	96	6	-	do. -
351	330-054	L. A. Beals	do.	-	600	Du	22	30	-	do. -
352	329-055	Victor Nee	do.	-	760	Du	22.5	36	-	8.65 6-12-62: D - D
353	330-057	-	do.	-	510	Du	8.5	24	-	6.95 6-12-62: D - D
354	333-055	Harley R. Rattt	do.	-	590	Du	9.8	30	-	1.55 6-13-62: D - D
355	333-057	John Gibbons	do.	-	560	Du	6.0	30	-	2.22 6-13-62: D - D
357	333-052	-	Shapleigh	-	530	Du	36.2	1 $\frac{1}{4}$	-	14.67 6-13-62: N - N
358	330-052	Robert Lovejoy	Acton	-	520	Dr	120	6	-	do. -
359	332-054	do.	do.	-	750	Dr	97	6	-	15 6-13-62: D - D
360	330-055	W. H. Thoits	do.	-	940	Du	21.3	18	-	8.57 6-13-62: D - D
361	330-055	do.	do.	-	940	Dr	240	6	-	do. -
362	329-057	Acton-Milton Mills	do.	-	450	Du	10.0	36	-	10.94 6-13-62: D - D
363	329-057	Baptist Church	do.	-	710	Dr	90	6	-	do. -
364	328-056	Blanche Herson	do.	-	720	Dr	77	6	-	9.44 6-13-62: D - D
365	328-056	Wallace Lee	do.	-	580	Du	22.1	30	-	8.72 6-13-62: S - D
366	328-056	Allen Kline	do.	-	560	Du	19.8	30	-	10.94 6-13-62: D - D
366a	328-056	W. L. Doe	do.	-	580	Du	31.4	30	-	do. -
367	328-055	Marion Fitch, Jane Poor	do.	-	1949	Dr	50	6	-	do. -
368	330-053	Acton Consolidated School	do.	-	1959	Du	200	6	-	do. -
369	325-050	Robert Ross	Sanford	-	1960	Du	125	6	-	do. -
370	325-050	G. Meever	Lebanon	-	340	Du	25.4	30	-	15.68 6-14-62: D - D
371	323-044	Lebanon Elementary School	do.	-	1958	Dr	210	6	-	do. -
372	323-054	Howard Blanchard	do.	-	430	Du	16	30	-	do. -
373	324-055	Howard H. Hanson	do.	-	140	Du	8	18	-	2 6-14-62: D - D
374	325-057	Mr. Ferris	do.	-	540	Du	28.4	30	-	17.62 6-14-62: D - D

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well: Location no.	Owner or user	Town	Altitude: feet:	Year above sea level: (feet):	Type of well: (feet):	Diameter: (inches)	Depth: (feet):	Principal water-bearing material: (feet):	Geologic unit:	Level: (feet):	Date of measurement: (feet):	Water measure: (feet):	Type of pump:	Remarks
375 : 325-058	Robert S. Malone	Lebanon	-	420	Du	9.7	36	-	Till	2.88	6-14-62;	D	-	Summer home.
377 : 325-058	do.	do.	-	415	Dn	22	1 1/4	-	Ice-contact deposits	-	-	D	-	FCA. Summer home.
378 : 324-056	Charles W. Randlett	do.	-	410	Du	18.5	30	-	do.	13.65	6-14-62;	D	-	Bedrock at bottom of well.
379 : 326-056	Lydia Wentworth	do.	-	430	Du	11.8	30	-	do.	7.76	6-14-62;	D	-	do.
380 : 325-057	do.	do.	-	415	Dn	29.9	1 1/4	Sand	do.	29.00	6-14-62;	N	-	Well obtained essentially no water. Driven to bedrock.
381 : 328-050	Carl and Norman White	Shapleigh	1954	700	Dr	129	6	-	Bedrock	-	-	D,S	J	Y 20. Yield of well has decreased from 20 to about 3.
382 : 327-050	Carpenter's Dairy	Sanford	1941	450	Dr	120	6	-	do.	-	-	D,S	J	Y 40. Reported 20 ft. to bedrock. Dairy.
383 : 327-050	do.	do.	1959	450	Dr	200	6	-	do.	20	-	S	J	Y 9.
384 : 329-051	Mary Alice DuBois	Shapleigh	-	500	Du	25	30	-	Ice-contact deposits	-	-	D	-	Never dry in 23 years.
385 : 329-050	Charles Boothby	do.	-	490	Du	9	-	-	Till	-	-	D	-	do.
386 : 329-050	Mr. Dowbridge	do.	-	510	Dr	-	6	-	Bedrock	-	-	D	-	Y 15. Hit water at 176 ft.
387 : 329-048	Mabel Stanley	do.	1952	550	Dr	90	6	-	do.	20	Fall -61;	D	J	Y 7. Reported about 20 ft. to bedrock.
388 : 332-049	Morris Carpenter	do.	-	760	Du	17.5	120	-	Till	4.92	6-15-62;	D	-	Never dry.
389 : 333-050	Lt. Col. Fisk	Waterboro	-	680	Du	19.7	48	-	do.	9.80	6-15-62;	N	-	Summer cottage. No pump at time of visit.
390 : 333-046	do.	do.	-	430	Dn	15.6	1 1/4	-	Ice-contact deposits	12.77	6-15-62;	D	N	do.
391 : 312-035	Homer Wingate	York	1959	20	Dr	126	6	-	Bedrock	-	-	D	-	FCA. Water is brackish.
392 : 312-035	Miss Brush	do.	-	20	Dr	60	6	-	do.	-	-	D	-	Summer cottage.
393 : 313-035	Theodore T. Tracy	do.	1957	50	Dr	105	6	-	do.	near 12- surface:	-61;	D	J	do.
394 : 313-034	Mrs. Herbert Poole	do.	1948	60	Dr	300	6	-	do.	-	-	D	-	Y 17.
395 : 313-034	do.	do.	-	60	Dn	125	6	-	do.	-	-	D	-	Y 4. Insufficient supply.
396 : 312-036	J. Baldwin	do.	-	160	Du	17.0	36	-	Till	12.49	6-19-62;	D	Rb	do.
397 : 313-035	Richard York, Sr.	do.	-	100	Du	13.8	36	-	do.	9.65	6-19-62;	D	-	Used only in the winter.
398 : 313-035	Richard York, Jr.	do.	1961	100	Dr	250	6	-	Bedrock	-	-	D	J	do.
399 : 312-036	W. A. Moulton	do.	1960	140	Dr	212	6	-	do.	28.37	6-19-62;	D	N	Y 15. New well. Not in use yet.
400 : 312-036	A. Douglas Metcalf	do.	1957	90	Dr	100	6	-	do.	-	-	D,C	P	FCA. Home and motel.
402 : 312-037	Frank A. Reiser	do.	-	100	Du	10	30	Clay	Till	3	-	D	-	do.
403 : 312-037	Robert W. Liston	do.	-	90	Du	12	30	Clay	Marine	-	-	D	-	FCA.
404 : 312-039	R. H. Anderson	do.	-	220	Dr	78	6	-	Bedrock	-	-	D	J	Y 2. Has iron taste.
405 : 312-039	Kenneth L. Moulton	do.	-	90	Dr	96	6	-	do.	16	-	D	-	Y 5.
406 : 313-037	E. N. Currier	do.	-	130	Du	6	36	-	Outwash	3	-	D	-	do.
407 : 313-038	Charles Main	do.	-	240	Dr	60	-	-	Bedrock	-	-	D	-	do.
408 : 313-040	Elmer Moulton	do.	-	240	Dr	70	6	-	do.	-	-	D	J	do.
409 : 313-040	Joseph Proctor	do.	-	230	Dr	28	-	-	Till	-	-	D	-	FCA.
410 : 312-040	Joseph Briley, Jr.	do.	-	180	Du	15.0	30	Sand and gravel	Pleistocene	12.88	6-20-62;	D	Rb	Well goes dry.
411 : 310-039	Mrs. S. Buyers	do.	-	-	-	-	-	-	beach	-	-	-	-	-
									deposits	-	-	-	-	-

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.:	Location	Owner or user	Town	Altitude:	Principal water-bearing material:	Water measure-ment:	Type of pump:	Remarks
				Year com-pleted:	Diameter of well:	Level of water:	Use of pump:	
				date of well:	Character:	Geologic unit:		
				(feet):	(inches):			
412	310-042	L. W. Hendrickson	York	-	40	Du	10	216 Clay
413	310-044	Capt. Clifford Hermann	do.	-	20	Du	30-60	Marine deposits
414	310-037	Pine State Diner	do.	-	50	Dr	6	do.
415	311-037	William Matthews	do.	-	60	Dr	75	do.
416	312-036	William Downing	do.	-	180	Dr	102	do.
417	309-038	Malton Dore	do.	-	60	Dr	82	do.
419	308-041	W. Pase Bates	do.	1961	40	Dr	225	do.
420	307-040	Carle Brown	do.	1961	80	Dr	184	do.
421	306-039	Mr. Thomas B. Davidson	do.	1946	60	Dr	186	do.
422	306-038	do.	do.	1956	30	Dr	6	do.
423	305-040	William F. Raynes	Kittery	-	20	Du	11.6	Hill
424	305-039	Mrs. Cogswell	do.	-	20	Dr	180	Bedrock
425	304-040	Neil Palm	do.	-	20	Du	11.0	Hill
426	306-042	Wilbur N. Rhodes	do.	-	60	Dr	115	Bedrock
427	308-042	Leo H. Cain	York	1955	70	Dr	151	do.
428	309-044	Roger E. Shorey	do.	1961	30	Dr	177	do.
429	309-044	Andrew Lebell	do.	1950	90	Dr	180	do.
430	308-045	R. E. McConnell	Elliot	-	90	Dr	128	do.
431	308-045	E. K. Zamarchi	do.	-	80	Dr	142	do.
432	309-045	Mr. Goodwin	do.	-	90	Dr	103	do.
433	306-045	Willis Cole	Kittery	-	40	Dr	69	do.
434	309-047	John M. Stewart	Elliot	-	20	Dr	81	do.
435	306-045	N. S. Gamache	Kittery	-	40	Dr	59	do.
436	307-045	Fay S. Kane	Elliot	-	50	Dr	92	do.
437	309-044	E. C. Groner, Jr.	York	-	30	Dr	172	do.
438	310-044	L. Kimball	do.	-	15	Dr	120	do.
439	310-044	Mr. Russell	do.	-	15	Dr	100	do.
440	307-045	D. R. Wood	Elliot	-	50	Dr	90	flowed
441	307-045	D. F. Faulkner	do.	-	50	Dr	95	5
442	306-042	N. Gervais	Kittery	-	60	Dr	75	5.5
443	308-041	Roland Sylvester	York	-	40	Dr	120	11
444	306-045	N. S. Gamache	Kittery	-	40	Dr	52	do.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude			Year above sea level (feet)	Type of well (feet)	Depth of well (feet)	Diameter of well (inches)	Principal water-bearing material (feet) (inches)	Character of unit	Geologic unit	Level of measurement	Water measure	Type of pump	Remarks
			Altitude	Year above sea level (feet)	Depth of well (feet)											
445	308-049	R. M. and M. H. Gardner	Elliot	-	20	Dr	141	6	-	Bedrock	8.5	-	D	-	Y 10½; dd 67. Reported 90 ft. to bedrock. Summer	
446	307-045	Ralph P. Webber		do.	50	Dr	62	6	-	do.	19	-	D	-	Y 9; dd 15. Reported 25 ft. to bedrock.	
447	308-048	Daniel J. Taylor		do.	50	Dr	134	6	-	do.	20	-	D	-	Y 12; dd 40. Reported 36 ft. to bedrock.	
448	308-046	Mr. Morse		do.	70	Dr	50	6	-	do.	8.5	-	D	-	Y 20; dd 27. Reported 5 ft. to bedrock.	
449	306-041	Mr. Krasny	Kittery	-	50	Dr	72	6	-	do.	9	-	D	-	Y 5; dd 56. Reported 14 ft. to bedrock.	
450	311-048	John O. Bond	South Berwick	-	40	Dr	140	6	-	do.	10	-	D	-	Y 10; dd 25. Reported 100 ft. to bedrock.	
451	313-035	Mr. Dick	York	-	100	Dr	55	6	-	do.	20	-	D	-	Y 6; dd 28. Bedrock at surface.	
452	307-046	Gladys and Mildred Hornig	Elliot	-	40	Dr	88	6	-	do.	22	-	D	-	Y 8; dd 28. FOA. Reported 32 ft. to bedrock.	
454	309-049	Gilbert Johnson		do.	-	15	Dr	128	6	-	do.	14	-	D	-	Y 12½; dd 26. Reported 65 ft. to bedrock. Summer
455	307-040	Mr. St. John		do.	-	50	Dr	125	6	-	do.	17	-	D, S	-	Y 3; dd 83. Reported 28 ft. to bedrock.
457	308-046	-		do.	-	90	Du	33.1	30	Sand and gravel	19.98	6-22-62	D	C	Not currently in use.	
458	308-049	James Lillis		do.	1961	20	Dr	96	6	-	Clay	-	-	D	-	FOA.
459	308-048	Arnold Stodig		do.	1960	50	Du	-	-	Marine	-	-	D	-	FOA.	
460	308-048	Lee Covington		do.	1961	70	Dr	198	6	-	Bedrock	-	-	D	-	Y 3.
461	311-048	George Goodrow	South Berwick	-	40	Dr	131	6	-	Gravel	5	-	D	-	Reported 88 ft. to bedrock.	
462	311-048	-		do.	40	Dr	158	6	-	Bedrock	-	-	D	-	Reported 88 ft. to bedrock.	
463	311-048	George Goodrow	Kittery	-	50	Dr	220	8	-	Shale	30	-	D, S	S	FOA. Y 20.	
464	308-044	Hylian Rowan		do.	50	Dr	70	6	-	do.	10	-	D, S	J	Y 7. Reported 10 ft. to bedrock.	
465	307-044	R. N. Pearson	Elliot	-	40	Dr	89	6	-	do.	-	-	D	J	Y 12. Reported 77 ft. to bedrock.	
466	309-045	Dorothy Dame		do.	-	40	Du	9.9	24	Clay	Marine	6.60	6-27-62	D	J	FOA.
467	309-045	Kenneth E. Thompson		do.	-	100	Dr	125	6	-	Bedrock	14	-	D	S	FOA. Y 15. Reported 12 ft. to bedrock.
468	310-046	Mrs. Charles Penrose		do.	-	65	Du	22.9	42-84	Clay and sand	7.92	6-27-62	D	-	Also used in machine shop.	
469	309-048	Hodgdon Tool and Die Co.		do.	-	-	-	-	-	Outwash and marine deposits	-	-	D, S	-	FOA.	
470	319-044	Ernest Rand	North Berwick	-	210	Du	24.8	30	Sand	Outwash	19.40	6-27-62	D	J	Y 25. Reported 60 ft. to bedrock.	
472	325-046	William Fall	Sanford	1930's	290	Dr	186	6	-	Bedrock	45	-	D, S	CYL	Y 7. Reported 8 ft. to bedrock.	
473	325-046	Earle Fall		do.	-	300	Dr	107	6	-	do.	8	-	D, S	J	Y 7. Reported 14 ft. to bedrock. Yield has decreased.
474	324-046	Earl Fall	North Berwick	1950	340	Dr	194	6	-	do.	14	-	D, S	S	Y 6. Reported 14 ft. to bedrock. Yield has decreased.	

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Year com- pleted: level of well (ft.)	Altitude: type of well (feet) (inches)	Depth of well (feet)	Diameter of well (feet)	Principal water-bearing material	Geologic unit	Level of measurement	Water	Date of measurement	Type of pump	Remarks
475 : 324-048	Myron Hobbs	North Berwick	1959 : 320	Dr : 310	6	-	Bedrock	-	-	D, S	-	Reported 3 ft. to bedrock.	
476 : 325-047	Mr. Doyon	Scarborough	1912 : 580	Dr : 198	6	-	do.	15-20	-	D, S	J	Reported approximately 15 ft. to bedrock.	
477 : 324-050	George W. Prey	Lebanon	- : 390	Du : 16.7	30	-	Ice-contact deposits	13-20	6-28-62	D	-	Iron reported.	
478 : 324-050	Smith's Garage	do.	- : 390	Dr : 248	6	-	Bedrock	35	-	D	J	Reported, approximately 30 ft. to bedrock.	
479 : 324-052	Leona's Restaurant	do.	1954 : 320	Dr : 106	6	-	do.	-	-	D, C	-	:PCA, Y 7. Restaurant, bedrock. Reported 9 ft. to bedrock.	
480 : 323-051	Meader's Nursing Home	do.	1959 : 280	Dr : 220	6	-	do.	7	-	D	S	Water contaminated by pile of salt.	
481 : 323-051	Donald Meader	do.	- : 280	Du : 8	30	Sand	Outwash	4	-	D	-	:PCA.	
482 : 322-052	-	do.	- : 320	Du : 18.0	30	-	Till	10-50	6-28-62	N	-	House recently burned.	
483 : 320-058	Riverbrook Camping Area	do.	- : 230	Du : 12	14½	Sand	Outwash	-	-	D	-	:PCA. Tenting side.	
484 : 321-055	Brookside Cabins	do.	- : 250	Du : 5	-	Sand and gravel	Ice-contact deposits	-	-	D, C	-	:PCA. Restaurant and cabins.	
485 : 320-056	Evergreen Mobil Home Park	do.	1960 : 240	Dr : 125	6	-	Bedrock	-	-	D	-	:PCA.	
486 : 321-052	Robert E. Fand	do.	- : 320	Du : 15	-	-	Till	-	-	C	-	:PCA. Store.	
487 : 324-052	U. S. Post Office	do.	- : 320	Du : -	-	-	do.	-	-	-	-	:PCA.	
488 : 322-046	East Lebanon	do.	- : 220	Du : 22	30	-	Ice-contact deposits	-	-	D	Rb	Dug to bedrock; goes dry.	
489 : 321-044	Mr. MacCarrison	North Berwick	- : 220	Du : 11.3	24	-	do.	7.99	6-29-62	D	-	Y 4½. Summer cottage.	
490 : 321-046	F. A. Merriman	do.	- : 1959	Dr : 130	6	-	Bedrock	-	-	D	J	Reported 7 ft. to bedrock.	
491 : 322-047	John E. Hayes	do.	- : 480	Du : 34	-	-	Till	-	-	D	-	:PCA.	
492 : 320-045	John A. Hitchcock	do.	- : 330	Du : 22.7	30	-	do.	14.50	6-29-62	D	-	:PCA.	
493 : 319-046	William Ballou	do.	- : 225	Du : 17	30	Sand	Outwash	-	-	D, S	-	Dry twice in 13 years.	
495 : 330-036	Robert Cole, Sr.	Lyman	1961 : 220	Dr : 220	-	-	Bedrock	-	-	D	-	:PCA.	
496 : 333-036	Dan Hill	Dayton	- : 240	Du : 15	30	Sand	Outwash	-	-	D, S	-	:PCA.	
497 : 335-036	Charles W. Moodie	Hollis	- : 235	Du : 30	-	-	do.	-	-	D	-	:PCA.	
498 : 335-036	Mr. Hill	do.	- : 280	Du : 14	-	-	Till	-	-	D	-	:PCA.	
499 : 332-035	Louis Ouellette	Dayton	- : 250	Du : 30	-	-	Ice-contact deposits	-	-	D, C	-	:PCA. Restaurant, gas station, cabins.	
500 : 335-033	Maurice Moulton	Hollis	- : 160	Du : 12	24	-	Till or marine deposits	-	-	D	-	:PCA.	
501 : 334-037	Lester I. Grant	do.	- : 270	Du : 16	-	-	Outwash	-	-	D	-	:PCA.	
502 : 334-035	William Cobb	Dayton	- : 240	Du : 14	-	do.	do.	-	D	-	:PCA.		
503 : 336-033	Wallace Smith	Hollis	- : 200	Du : 27	-	do.	do.	-	D	-	:PCA.		
504 : 336-035	Gene C. Thompson	do.	- : 180	Du : 14	-	-	Till or marine deposits	-	-	D	-	:PCA.	
505 : 337-043	Dot's Beauty Shop	Waterboro	- : 340	Du : 26	-	-	Ice-contact deposits	-	-	D	-	:PCA.	
506 : 336-041	Robert Loukola	do.	- : 320	Du : 15	-	-	do.	-	-	D	-	:PCA. Summer cottage.	
507 : 334-041	Nellie Emery	do.	- : 300	Du : 12.0	18	-	Outwash	7-70	7-10-62	D	P	:PCA. Y 6.	
508 : 334-040	Frank E. Thompson	do.	- : 1961	Dr : 75	6	-	Bedrock	7	-	D, S	J	Y 3. Reported 13 ft. to bedrock.	
510 : 336-036	F. W. Anderson	Hollis	1956 : 200	Dr : 93	6	-	do.	9	-	D	-	:PCA. Summer cottage.	
511 : 321-044	Clarence McKay	North Berwick	- : 210	Du : 15	14	-	Ice-contact deposits	-	-	D	-	:PCA. Summer cottage.	

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude:	Altitude:	Principal water-bearing material:	Water level:	Date of measurement:	Type of pump:	Remarks
			Year above sea level:	Depth of well:	Character of water-bearing material:	Geologic unit:			
			Completed:	feet:	(inches):				
512	320-047	Francis Hall	North Berwick	1961	-	Dr.	210	6	Bedrock
513	320-047	Herbert Hall		-	420	Du	14.0	30	7-11-62; D,S
514	322-050	Forrest Ricker		-	320	Du	12.0	30	-
515	323-050	-		-	360	Du	15.0	24	do.
516	314-049	Ray Oullette	Berwick	-	215	Du	12.5	36	do.
517	318-048	René Grasson	North Berwick	1961	170	Dr	55	6	Bedrock
518	317-046	Bana S. Thompson		-	160	Dr	124	6	Outwash
519	317-046	Barlie R. Dickworth		-	160	Du	13.7	48	Bedrock
520	319-041	Rowland M. Hussey	Wells	-	25	Du	-	-	do.
521	317-035	Ernest W. Maling		1960	25	Du	15	-	Marine deposits
522	319-036	Harry Boston		-	110	Du	14	-	Outwash
523	319-037	Earle S. Porter		1950	210	Dr	114	6	Bedrock
524	318-035	Robert Prescott		-	40	Du	17	-	do.
525	321-037	Robert Bryant		-	150	Du	14.6	24	Marine deposits
526	321-037	Alton Bryant		-	155	Du, Dr	-	-	Bedrock
527	320-036	Edward Lee Coulton		-	140	Du	15	-	Bedrock
528	321-036	Robert F. Melanson		-	130	Du	75	6	do.
529	320-037	Kenneth M. Frasier		-	180	Du	20	-	Ice-contact deposits
531	319-039	Ernest F. Miller		-	220	Du	15	1 1/4	do.
532	319-037	Kennard Tydol Station		-	210	Dr	65	6	Bedrock
534	332-026	Robert H. Knox	Saco	1961	140	Dr	88	6	do.
535	331-027	Percy L. Palmer		-	125	Du	14	-	Outwash
536	333-028	Ralph Macomber		-	130	Du	14	-	Bedrock
537	333-026	Vinton Abbott		1952	160	Du	15	1 1/4	do.
538	333-027	Warren L. Dalyell		-	140	Du	15	1 1/4	Marine deposits
539	335-029	Gifford Berry		-	160	Du	15	-	Outwash or marine deposits
540	330-024	Paul Emile Boisse	Old Orchard Beach	-	40	Du	13	-	Bedrock
541	332-024	Philip Townsend		1960	60	Dr	230	6	do.
542	332-024	Leroy Sprague	Saco	-	60	Dr	200	6	do.
543	332-023	Francis Townsend	Old Orchard Beach	-	60	Dr	200	-	do.
544	335-023	George Erickson	Buxton	-	180	Du	-	-	do.
546	334-030	Herve Thibodeau		1953	170	Dr	350	6	do.
547	334-028	Harry Grant		-	90	Du	8.0	30	Marine deposits

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Altitude	Type	Year above sea level	Type of well	Depth of well (feet)	Diameter of well (inches)	Principal water-bearing material	Geologic unit	Level of measurement	Water date of measurement	Type of pump	Remarks	
548	332-029	Clarence Scammon	Saco	-	tube	1961	Dr.	20	36	Sand	Outwash	10	-	D	P	Never dry.
549	332-031	E. J. Gonnevile	Dayton	-	com-	1961	Dr.	300	6	-	Bedrock	8	-	D,S	S	Y 12. Reported 4 ft. to bedrock.
550	332-030	Irene Gonnevile	Saco	do.	com-	1946	Dr.	265	6	-	do.	-	-	D,S	-	:PCA. Dairy.
551	332-030	Roy Scammon	do.	-	com-	1940	Dr.	80	6	-	do.	-	-	D	-	:Bedrock almost immediate.
552	335-035	Charles W. Seaward	Dayton	-	com-	1961	Dr.	9.0	36	Clay	Marine	1.10	7-24-62	D	W	:PCA. New well. Not in use yet.
554	330-043	Ray Graeber	Alfred	-	com-	1946	Dr.	290	20	-	deposits	-	-	D	-	:PCA.
555	331-043	Charles Foster	Waterboro	-	com-	1947	Dr.	212	6	-	Bedrock	20.16	7-25-62	D	P	Y 5. Reported 97 ft. to bedrock.
556	331-046	Rev. Lester C. Holmes	Alfred	do.	com-	1946	Dr.	130	6	-	do.	-	-	D,S	-	:PCA.
557	327-045	Bea's Drive-In	do.	-	com-	1940	Dr.	66	6	-	do.	-	-	C	-	:PCA. Y 6. Restaurant.
558	327-044	Jerald Spring	do.	-	com-	1946	Dr.	32	-	-	Ice-contact deposits	-	-	D	-	:PCA.
559	328-042	David Porter	do.	-	com-	1960	Dr.	25	-	-	Outwash	-	-	D	-	:PCA.
560	328-041	James C. McClellan	do.	-	com-	1951	Dr.	134	-	-	Bedrock	-	-	D	-	:PCA.
561	327-041	Elwin Morey	do.	-	com-	1956	Dr.	58	6	-	do.	-	-	D	J	:PCA. Y 10.
562	327-041	Robert E. Liberty	do.	-	com-	1956	Dr.	51	6	-	do.	14	-	D	-	Y 7. Reported 14 ft. to bedrock.
563	327-041	Merle Carver	Arundel	-	com-	1956	Dr.	78	-	-	do.	-	-	D	-	:Y 10.
564	328-032	William A. Breslin	do.	-	com-	1960	Dr.	6	-	-	Marine	-	-	D	H	:Probably not to bedrock.
565	328-031	H. G. Leach	do.	-	com-	1940	Dr.	14	-	-	deposits	-	-	D,C	-	:PCA.
566	328-031	Maurice Breault	Biddeford	-	com-	1970	Dr.	20	-	-	Till or marine	-	-	D	-	:PCA.
567	328-030	Joseph D. Angers	do.	-	com-	140	Dr.	10	-	-	deposits	-	-	D	-	:PCA.
568	328-030	Edward Legere	do.	-	com-	110	Dr.	17	-	-	Till	-	-	D,C	-	:PCA.
569	328-029	Claire's Drive-In	Arundel	-	com-	140	Dr.	-	-	-	Ice-contact deposits	-	-	D,C	-	:PCA. Cabins and restaurant.
570	327-029	Ernest Margatroid	do.	-	com-	1948	Dr.	250	-	-	deposits	-	-	D,C	-	:PCA. Cabins.
572	327-028	Larry Richardson	do.	-	com-	1960	Dr.	165	6	-	Bedrock	-	5	D,S	S	:PCA. Y 4½. Reported 90 ft. to bedrock.
573	324-031	William Fountain	do.	-	com-	85	Dr.	16	-	-	Outwash or marine	-	-	D	-	:PCA.
574	325-030	Delmar Brown	do.	-	com-	140	Dr.	12	-	-	deposits	-	-	D,C	-	:PCA. Cabin camp.
575	326-030	Arundel Roller Rink	do.	-	com-	1960	Dr.	200	6	-	Bedrock	-	-	D,C	-	:PCA. Roller skating rink.
576	327-029	Jack Lamb	Biddeford	do.	com-	1940	Dr.	89	6	-	do.	-	-	D,C	-	:PCA. Overnight cabins.
577	327-026	Louis Daigle	do.	-	com-	120	Dr.	20	-	-	Marine	-	-	D,S	-	:PCA. Dairy.
578	326-024	Lester Curtis	do.	-	com-	50	Dr.	12	-	-	deposits	-	-	D,S	-	:PCA.
579	324-023	Henry F. Pessenden	do.	-	com-	1961	Dr.	95	6	-	Bedrock	-	-	D	H	:PCA.
580	325-027	Joseph A. Bergeron	Kennebunkport	-	com-	65	Dr.	25	30	Sand and gravel	Outwash	15	-	D	-	:PCA. Went dry in 10-61.
581	326-025	Walter Nason, Jr.	Biddeford	-	com-	70	Dr.	25	-	-	do.	-	-	D	-	:PCA.
582	325-024	Elmer A. Davis	do.	-	com-	40	Dr.	87	6	-	Bedrock	-	-	D	-	:PCA.
584	321-027	Mrs. Kenneth Roberts	Kennebunkport	-	com-	40	Dr.	10	-	-	Marine	-	-	D	-	:PCA. deposits?

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well location no.	Owner or user	Town	Altitude;	Type;	Year above sea level;	Depth of well;	Character of well;	Principal water-bearing material;	Geologic unit;	Water measure-ment;	Date of pump;	Type of pump;	Remarks
585	318-039: William Dickerson	Wells	1957	210 : Du	12	36	-	Ice-contact	-	-	D	P	
586	318-039: Doris Keeping	do.	-	200 : Du	13.2	30 ¹ ₄	-	deposits	do.	11.75	7-26-52	D	Rb
587	318-039 : P. R. Boston	do.	-	195 : Dn	-	-	-	do.	do.	5	-	D	P
588	334-040 : E. Waterboro School	Waterboro	1950	290 : Dr	250	6	-	Bedrock	-	-	BS	-	PCA.
589	332-042 : South Waterboro School	do.	1952	270 : Dr	200	6	-	do.	-	-	BS	-	PCA.
590	330-035 : Cossens Memorial School	Lyman	1940	210 : Du	14	-	Sand	Ice-contact	-	-	BS	-	PCA.
591	331-041 : Camp Norshocco	do.	1956	- : Dr	250	6	-	deposits	-	-	BS	-	PCA. Boy Scout Camp.
592	317-040 : Merril-At Mobile Park	Berwick	1956	200 : Dr	135	6	-	Bedrock	-	-	BS	-	PCA. Trailer park.
593	317-047 : Beaver Dam Grange	North Berwick	1910	200 : Du	9	-	-	Till	-	-	D	-	PCA.
594	318-041 : Leon W. Goodwin	Wells	-	190 : Du	14	-	Clay	Marine	-	-	D	-	PCA.
595	327-019 : Wood Island Light House	Biddeford	1957	20 : Dr	575	-	-	Bedrock	-	-	D	-	PCA.
596	332-035 : Station	Dayton	1951	250 : Dr	100	-	Sand	do.	-	-	BS	-	PCA.
597	339-039 : Henry Meserve	Hollis	1959	290 : Du	23	-	-	Outwash	-	-	D	-	PCA. Picnic area at Deer Pond.
598	310-048 : King Tut's Snack Bar	Eliot	1958	60 : Du	20	-	-	Outwash	-	-	C	-	PCA.
								and/or marine	-	-			
599	308-045 : Frank Sargent	do.	1949	80 : Dr	100	6	-	deposits	-	-	D	-	PCA.
600	308-048 : Lee G. Covington	do.	-	60 : Du	40	-	-	Bedrock	-	-	N	-	PCA. Not in use.
601	336-035 : Frank E. Clark	Hollis	-	160 : Dr	186	6	-	Fill	-	-	D	-	PCA.
602	336-032 : Frank H. Vail	Buxton	-	250 : Dn	40	-	Sand and gravel	Bedrock	-	-	C	-	PCA. Store and filling station.
603	326-034 : Horace C. Levinson	Arundel	-	160 : Du	23	-	Sand	do.	-	-	D	-	PCA. Dug to bedrock.
604	324-033 : Emma's C. Levinson	Kennebunkport	-	120 : Du	15	-	do.	Bedrock	-	-	C	-	PCA. Motel.
605	324-025 : Emma's Clock Farm	Kittery	-	20 : Du, Dr	40	-	do.	Bedrock	-	-	D	-	PCA.
606	306-040 : Mrs. Arthur M. Payne	Waterboro	1961	50 : Dr	65	6	-	do.	-	-	D	-	PCA.
607	332-042 : Ronald Dyer	do.	1959	320 : Dr	200	6	-	Outwash	-	-	D	-	PCA.
608	332-042 : Harold Kimball	do.	-	270 : Dn	23	-	-	do.	-	-	D	-	PCA.
609	332-042 : Holmes Convalescent Home	do.	-	270 : Dn	18	-	-	Ice-contact	-	-	D	-	PCA.
610	335-042 : Paul Hanna	do.	-	320 : Dn	18	-	-	deposits	-	-	D	-	PCA. Snack bar.
611	324-044 : Hawthorne School	Sanford	-	285 : Dr	176	-	-	Bedrock	-	-	BS	-	PCA.
612	321-039 : Sanford Health Farm	Wells	-	200 : Dr	-	-	-	do.	-	-	D	-	PCA.
613	318-039 : Daniel R. Dickerson	do.	1960	200 : Du	12	36	-	Ice-contact	-	-	D	-	PCA.
614	319-037 : do.	do.	-	160 : Du	17	-	White sand	Outwash	-	-	D	-	Reported 17 ft. to bedrock.
615	338-035 : Frank H. Jewett, II	Buxton	-	230 : Dr	75	6	-	Bedrock	-	-	O	-	Well actually not in area covered by report. Has been used as an observation well by USGS since 1943. Only observation listed as well Y 1 in USGS annual water-level reports.
616	348-048 : J. P. Small	Cornish	-	370 : Du	23.6	36	Sand	Outwash	-	-			
617	308-048 : Eliot Water District	Eliot	1957	45 : J	29	3	-	-	-	-			
618	308-048 : Eliot Water District	Eliot	1957	45 : J	29	3	-	-	-	-			

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Altitude	Type	Year above sea level	Diameter of well	Principal water-bearing material	Geologic character	Water level	Date of measurement	Type of pump	Remarks
619	308-048	Eliot Water District	Eliot	1957	40	J	21	3	-	-	-	N,T	:L.
620	308-048	do.	do.	1957	40	J	26	3	-	-	-	N,T	:L.
621	307-047	do.	do.	1957	80	J	26	3	-	-	-	N,T	:L. Y 3.
622	308-045	do.	do.	1957	50	J	17	3	-	-	-	N,T	:L.
623	308-045	do.	do.	1957	40	J	34	3	-	-	-	N,T	:L.
624	306-046	do.	do.	1957	40	J	45	3	-	-	-	N,T	:L.
625	307-045	do.	do.	1957	60	J	38	3	-	-	-	N,T	:L.
626	308-045	do.	do.	1957	50	J	30	3	-	+1	-	N,T	:L. Y 10.
627	308-045	do.	do.	1957	50	J	32	3	-	-	-	N,T	:L. Y 6.
628	310-048	do.	do.	1957	20	J	69	3	-	-	-	N,T	:L. Y 7. Flowed 4 gpm 2 ft. above ground.
629	310-048	do.	do.	1957	50	J	27	3	-	-	-	N,T	:L.
630	310-047	do.	do.	1957	100	J	41	3	-	-	5	N,T	:L. Y 3.
631	308-044	do.	do.	1957	50	J	38	3	-	-	-	N,T	:L. Y 25.
632	308-044	do.	do.	1957	40	J	36	3	-	-	-	N,T	:L.
633	308-044	do.	do.	1957	40	J	17	3	-	-	-	N,T	:L.
634	314-047	South Berwick Water Dist.	South Berwick	1953	110	J	40	3	-	-	-	N,T	:L.
635	313-047	do.	do.	1953	120	J	20	3	-	-	-	N,T	:L. Y 5.
636	314-047	do.	do.	1953	110	J	65	3	-	-	-	N,T	:L.
637	314-048	do.	do.	1953	100	J	16	3	-	-	-	N,T	:L.
638	313-047	do.	do.	1953	90	J	65	3	-	-	-	N,T	:L. Y 4.
639	313-047	do.	do.	1953	100	J	25	3	-	-	-	N,T	:L.
640	313-046	do.	do.	1960	100	J	72	3	-	-	-	N,T	:L.
641	313-046	do.	do.	1960	100	J	28	3	-	-	-	N,T	:L.
642	314-046	do.	do.	1960	100	J	39	3	-	-	-	N,T	:L. Y 2.
643	314-046	do.	do.	1960	110	J	46	3	-	-	-	N,T	:L.
644	314-046	do.	do.	1960	110	J	57	3	-	-	-	N,T	:L.
645	314-046	do.	do.	1960	80	J	54	3	-	-	-	N,T	:L.
646	314-046	do.	do.	1960	110	J	28	3	-	-	-	N,T	:L.
647	314-046	do.	do.	1960	90	J	58	3	-	-	-	N,T	:L.
648	315-046	do.	do.	1960	95	J	62	3	-	-	-	N,T	:L.
649	314-045	do.	do.	1960	100	J	20	3	-	-	-	N,T	:L.
650	314-045	do.	do.	1960	100	J	26	3	-	-	-	N,T	:L.
651	314-045	do.	do.	1960	100	J	42	3	-	-	-	N,T	:L.
652	314-046	do.	do.	1960	100	J	64	3	-	-	-	N,T	:L.
653	315-044	do.	do.	1960	150	J	33	3	-	-	-	N,T	:L.
654	314-048	do.	do.	1960	100	J	43	3	-	-	-	N,T	:L.
655	319-052	Berwick Water Department	Berwick	1947	220	J	70	3	-	6	-	N,T	:L.
656	315-048	South Berwick Water District	do.	1960	120	J	64	3	-	-	-	N,T	:L.
657	314-048	do.	do.	1960	120	J	21	3	-	-	-	N,T	:L.
658	306-044	Maine Turnpike Authority	Kittery	1946	2.6	J	28	-	-	-	-	N	:Test boring for Maine Turnpike. L.
659	308-041	do.	do.	1946	9.4	J	85	-	-	-	-	N	:Test boring for Maine Turnpike. L.
660	308-042	do.	do.	1946	35.9	J	15	-	-	-	-	N	:Test boring for Maine Turnpike. L.
661	317-036	do.	do.	1946	136.9	J	20	-	-	-	-	N	:Test boring for Maine Turnpike. L.

Table 2.--Records of selected wells and test holes in southwestern Maine--Continued

Well no.	Location	Owner or user	Town	Altitude:	Principal water-bearing material:	Water level:	Type of pump:	Remarks
				Year above sea level:	Diameter of well:	Date of measurement:		
				of sea level:	Character of well:	of measurement:		
				(feet):	(inches):			
662	320-036	Maine Turnpike Authority	Wells	1946 : 133.9	J : 14	-	-	-
663	321-035	do.	do.	1946 : 92.6	J : 32	-	-	-
664	322-034	do.	Kennebunk	1946 : 80.3	J : 103	-	-	-
665	324-033	do.	do.	1946 : 119.3	J : 17	-	-	-
666	323-033	do.	do.	1946 : 77.1	J : 34	-	-	-
667	324-033	do.	do.	1946 : 50.3	J : 61.7	-	-	-
668	325-032	do.	Arundel	1946 : 56.7	J : 100	-	-	-
669	326-032	do.	do.	1946 : 106.5	J : 74	-	-	-
670	328-031	do.	do.	1946 : 126.1	J : 11	-	-	-
671	328-030	do.	Biddeford	1946 : 90.5	J : 77	-	-	-
672	328-030	do.	do.	1946 : 86.4	J : 27	-	-	-
673	329-029	do.	do.	1946 : 55.8	J : 92	-	-	-
674	330-029	do.	Saco	1946 : 56.1	J : 34	-	-	-
675	330-029	do.	do.	1946 : 67.1	J : 59	-	-	-
676	330-028	do.	do.	1946 : 118.5	J : 108	-	-	-
677	331-027	do.	do.	1946 : 116.5	J : 43	-	-	-
678	329-029	do.	Biddeford	1946 : 66.0	J : 25	-	-	-
679	331-027	do.	Saco	1946 : 110.3	J : 17	-	-	-
680	329-023	State Highway Commission	Old Orchard Beach	- : 0	J : 62	-	-	-
681	308-038	do.	York	1955 : -10	J : 77	-	-	-
682	307-038	do.	do.	1955 : 3.8	J : 84	-	-	-
683	307-038	do.	do.	1955 : 3.8	J : 23	-	-	-
684	312-047	do.	South Berwick	1954 : 81.7	J : 37	-	-	-
685	325-044	do.	do.	1956 : 237	J : 67	-	-	-
686	328-029	do.	Biddeford	1946 : 118.9	J : 70	-	-	-
687	328-042	do.	Alfred	- : 219.5	J : 36	-	-	-
688	318-038	do.	North Berwick	- : 148	J : 36	-	-	-

Table 3.--Records of selected springs in southwestern Maine

Spring no: For explanation of spring-numbering system, see text.
 Location: For explanation of spring-location system, see text.
 Altitude above sea level: Altitudes of springs are interpolated from topographic maps and are probably accurate to within 10 feet. Datum is mean sea level.

Water use: C, commercial or industrial; D, domestic; PS, public supply; S, livestock (including chickens). Remarks: C, chemical analysis in table 5; PCA, partial chemical analysis in table 6; T, temperature in degrees Fahrenheit; Y, yield in gallons per minute.

Spring no.	Location	Owner or user	Town	Altitude above sea level: (ft.)	Principal water-bearing material	Character	Geologic	Improvements	Water use:	Remarks
1 : 338-028	William Cousins	Buxton	130	-	Marine	4 x 10 concrete reservoir.			D,S	Good supply.
15a : 339-040	Austin W. Smith	Hollis	275	Sand and gravel	deposits	4 feet deep.				
17 : 329-035	Mrs. C. A. Tibbets	Lyman	160	do.	Ice-contact	Concrete tile.			D	
18 : 329-034	Frederick Elwell	do.	140	Sand	do.	4 x 4 wooden box.	4 feet deep.	D,S		
23 : 329-041	Harland Drown	Alfred	255	do.	Till	20-inch tile--full to overflowing.		D	A "boiling spring".	
32 : 317-049	William Hunt	Berwick	200	do.	do.	8 feet deep. Rocked-up well.		D,S	Serves 2 houses.	
34 : 316-048	Hartley Emery, Sr.	do.	160	do.	do.	5-foot diameter concrete tank.		D,S	Serves 2 houses.	
67 : 330-034	Ben Goodwin	Dayton	120	do.	Outwash	Bricked up. 4 feet in diameter.		D	A "boiling spring".	
91 : 340-031	Alan Hague	Buxton	235	Clay	Marine	5 feet deep.				Formerly served 5 houses.
98 : 337-030	Roger Carl	do.	200	Sand	Till	Tile casing.		D		
108 : 330-042	Camp Cherith	Lyman	360	-	do.	9 x 12 concrete reservoir.		D	Summer camp.	
139 : 306-046	Kittery Water District	Eliot	70	Sand and gravel	Pleistocene	Concrete tile		PS	Cattle spring.	
158 : 311-044	Maud Muller Spring	York	60	Sand	beach					
162 : 320-055	H. F. Phillips	Lebanon	220	do.	deposits			D	C. Y 18, June 16, 1961.	
188 : 315-043	Joseph W. Rodier	South Berwick	100	do.	do.	Concrete tile		D,S		
211 : 327-036	Jack Ketchum	Kennebunk	160	Clay	do.	Tile.				
304 : 322-037	Waldo Chick	Wells	160	Sand	Outwash	30-inch tile, about 16 feet deep.		D,S		
311 : 327-035	Earl Walker	Arundel	90	Clay	Marine	Tile, about 6 feet deep.		D,S	Serves 3 houses.	
341 : 329-049	Guay's Hideaway	Shapleigh	450	Sand and gravel	Till	36-inch tile.		D,C	T 44.5 June 11, 1962.	
356 : 332-056	Dan B. Casey	Acton	590	do.	Ice-contact	36-inch tile, 6 feet deep.		D	PCA.	
376 : 325-058	George Horton	Lebanon	440	do.	deposits			D	Iron taste.	
418 : 308-041	Robert Moulton	York	50	Clay	do.	30-inch tile.		D	Not in use yet.	
471 : 325-046	W. R. Bucklin	Sanford	320	Sand and gravel	Marine	2 x 3 foot board frame.				
494 : 326-043	Highway Commission	Alfred	230	do.	deposits	30-inch tile.		D	T 45 June 29, 1962.	
509 : 336-037	Don E. Merchant	Hollis	200	Clay	do.	Cement tile.			Roadside spring.	
530 : 320-038	Lloyd R. Call	Wells	180	Sand	Ice-contact	deep.		D	Iron reported.	
533 : 318-041	Burton G. Dodge	do.	190	Gravel	Till	Tile		D,S		
545 : 329-025	Seal Rock Spring	Saco	60	-	-	7 x 15 concrete tank, 7 feet deep.		C	Bottling company.	
553 : 332-034	Boiling Spring	Dayton	160	Sand	Premarine	Pool about 30 feet in diameter. No improvements.		S	Y 50-75 estimated.	
571 : 327-029	Hirst Mitchell	Biddeford	120	Clay	drift			D,C	PCA. Overnight cabins.	
583 : 323-028	Forefathers Inn	Arundel	40	Sand	Marine	-		D,C	PCA. Restaurant.	
615 : 338-035	Frank Jewett, II	Buxton	260	do.	deposits	-		D,S	PCA.	

Table 4.--Drillers' logs of selected wells and test holes in southwestern Maine
(Thicknesses and depths below land-surface are given in feet)

Thickness	Depth	Thickness	Depth	Thickness	Depth
140. Alt. about 140 ft. Log of well for Kittery Water District.		626. Alt. about 50 ft. Log of test boring for Eliot Water District.		636. Alt. about 110 ft. Log of test boring for South Berwick Water District.	
Marine deposits:		Marine deposits:		Marine deposits:	
Fine sand and clay.....	21	Gray clay.....	14	Fine brown sand.....	35
Till?:		Till?:		Outwash:	
Sand and gravel.....	17	Clay, sand, scattered gravel.....	6	Fine brown sand.....	35
Sand, gravel, and clay, mixed.....	12	Fine sand, small gravel.....	4.5	Marine deposits:	
Bedrock.....	at 50	Fine sand, flat gravel.....	5.5	Blue sandy clay.....	18
		Refusal.....	at 50	Till?:	
227. Alt. about 110 ft. Log of well for South Berwick Water Dist.		627. Alt. about 50 ft. Log of test boring for Eliot Water District.		Tight gravel and clay.....	12
Marine deposits:		Marine deposits:		637. Alt. about 100 ft. Log of test boring for South Berwick Water District.	
Loam.....	2	Clay.....	16	Outwash:	
Soft gray clay.....	33	Till?:		Fine sand.....	6
Premarine stratified deposits?:		Clay, sand, dark gravel.....	8	Marine deposits:	
Fine to medium gray sand.....	15	Fine gray sand, dark flat	7.5	Blue clay.....	10
Medium gray sand, gravel, and some clay.....	3	gravel.....	31.5	Refusal.....	at 16
228. Alt. about 110 ft. Log of well for South Berwick Water Dist.		Refusal.....	at 31.5	638. Alt. about 90 ft. Log of test boring for South Berwick Water District.	
Outwash:		628. Alt. about 20 ft. Log of test boring for Eliot Water District.		Marine deposits:	
Loam.....	2	Marine deposits:		Brown clay.....	20
Fine brown sand.....	7	Loam and clay.....	1	Blue clay.....	25
Marine deposits:		Hard gray clay.....	24	Blue sand and clay.....	20
Soft gray clay.....	28	Silty gray clay.....	40	639. Alt. about 100 ft. Log of test boring for South Berwick Water District.	
Premarine stratified deposits?:		Till?:		Marine deposits:	
Fine to medium gray sand, some gravel.....	13	Fine sand and sharp gravel...	4	Brown clay.....	6
Medium sand, gravel, and clay.....	3	Refusal.....	at 69	Blue clay.....	19
618. Alt. about 45 ft. Log of test boring for Eliot Water District.		629. Alt. about 50 ft. Log of test boring for Eliot Water District.		Refusal.....	at 25
Marine deposits:		Marine deposits:		640. Alt. about 100 ft. Log of test boring for South Berwick Water District.	
Hard firm clay.....	20	Soft gray clay.....	18	Marine deposits:	
Till?:		Till?:		Hard gray clay.....	6
Clay, sand, dark gravel.....	9	Hard clay and sharp gravel...	9	Soft gray clay.....	61
Refusal.....	at 29	Refusal.....	at 27	Till:	
619. Alt. about 40 ft. Log of test boring for Eliot Water District.		630. Alt. about 100 ft. Log of test boring for Eliot Water District.		Clay and sharp gravel.....	5
Marine deposits:		Marine deposits:		641. Alt. about 100 ft. Log of test boring for South Berwick Water District.	
Clay.....	16	Loam and clay.....	2	Outwash:	
Till?:		Hard gray clay.....	20	Medium brown sand.....	15
Clay, sand, dark gravel.....	5	Silty brown sand.....	5	Marine deposits:	
Refusal.....	at 21	Till?:		Soft gray clay.....	12
620. Alt. about 40 ft. Log of test boring for Eliot Water District.		Fine gray sand, sharp gravel, and boulders.....	14	Till:	
Marine deposits:		631. Alt. about 50 ft. Log of test boring for Eliot Water District.		Hard clay and sharp gravel...	1
Hard firm clay.....	20	Pleistocene beach deposits:		642. Alt. about 100 ft. Log of test boring for South Berwick Water District.	
Till?:		Sand and gravel.....	6	Outwash:	
Gray sand, dark flat gravel...	4	Marine deposits:		Fine brown sand.....	6
Sand, clay, and dark flat gravel.....	2	Soft gray clay.....	9	Marine deposits:	
Refusal.....	at 26	Till:		Soft gray clay.....	16
621. Alt. about 80 ft. Log of test boring for Eliot Water District.		Hard packed gray sand, gravel and boulders.....	29	Till:	
Till?:		Refusal.....	34	Hard gray clay and sharp gravel.....	22
Fine brown sand.....	18	632. Alt. about 40 ft. Log of test boring for Eliot Water District.		643. Alt. about 110 ft. Log of test boring for South Berwick Water District.	
Clay, sand, dark gravel.....	4	Pleistocene beach deposits:		Outwash:	
Black sand, sharp gravel.....	4.5	Sand and gravel.....	8	Loam and sand.....	2
Refusal.....	at 26.5	Marine deposits:		Marine deposits:	
622. Alt. about 50 ft. Log of test boring for Eliot Water District.		Soft blue clay.....	6	Hard clay.....	15
Till:		Sand and gravel.....	4	Soft clay.....	9
Fine sand and gravel.....	6	Soft blue clay.....	12	Fine gray sand.....	5
Boulders and hardpan.....	11	Till?:		Till:	
Refusal.....	at 17	Gray sand and gravel, traces of clay.....	6	Hard clay and sharp gravel...	46
623. Alt. about 40 ft. Log of test boring for Eliot Water District.		633. Alt. about 40 ft. Log of test boring for Eliot Water District.		644. Alt. about 110 ft. Log of test boring for South Berwick Water District.	
Marine deposits:		Marine deposits:		Outwash:	
Firm clay.....	20	Hard gray clay.....	17	Peat.....	1
Till?:		Refusal.....	at 17	Brown sand.....	3
Clay, sand, scattered gravel..	8	634. Alt. about 110 ft. Log of test boring for South Berwick Water District.		Marine deposits:	
Silty clay, sand.....	5.5	Marine deposits:		Firm gray clay.....	13
Refusal.....	at 33.5	Hard clay.....	20	Soft gray clay.....	14
624. Alt. about 40 ft. Log of test boring for Eliot Water District.		Till?:		Marine deposits and till:	
Marine deposits:		Dirty sand.....	12	Soft gray clay and sharp gravel.....	22
Hard gray clay.....	16	Sand and clay.....	8	Silt.....	4
Blue clay.....	24	Refusal.....	at 40	53	
Till:		635. Alt. about 120 ft. Log of test boring for South Berwick Water District.		57	
Silty clay, small sharp gravel	5	Pleistocene beach deposits and			
Refusal.....	at 45	Marine deposits:			
625. Alt. about 60 ft. Log of test boring for Eliot Water District.		Brown sand and clay.....	20		
Marine deposits:		Refusal.....	at 20		
Gray hard clay.....	16				
Till:					
Gray, small sharp gravel.....	8				
Clay, sand, and dark gravel...	7				
Clay and small dark gravel...	7.5				
Refusal.....	at 38.5				

Table 4.--Drillers' logs of selected wells and test holes in southwestern Maine--Continued

Thick- ness	Depth	Thick- ness	Depth	Thick- ness	Depth
645. Alt. about 80 ft. Log of test boring for South Berwick Water District.		655. Alt. about 220 ft. Log of test boring for Berwick Water Department.		663. Alt. 92.6 ft. Log of test boring for Maine Turnpike Authority for Merriland River Bridge.	
Outwash:		Ice-contact deposits:		Alluvium and marine deposits:	
Fine gray sand.....	4	Coarse sand.....	15	Sand and clay.....	5 5
Marine deposits:		Coarse sand and gravel (a little iron).....	15	Fine gravel and clay.....	5.5 10.5
Soft yellow clay.....	8	Coarse gray sand (no iron).....	5	Marine deposits:	
Till:		Coarse gray sand (some silt).....	5	Soft blue clay.....	16.5 27
Hard gray clay and sharp gravel.....	42	Coarse brown sand and gravel (no iron).....	5	Till:	
		Medium light-gray sand and gravel (some silt in bottom).....	15	Gravel and clay.....	5 32
646. Alt. about 110 ft. Log of test boring for South Berwick Water District.		Layers of fine to coarse gray sand.....	10	Rock.....	at 32
Outwash:					
Brown sand and gravel.....	13				
Till:					
Hard clay and sharp gravel....	15				
647. Alt. about 90 ft. Log of test boring for South Berwick Water District.		656. Alt. about 120 ft. Log of test boring for South Berwick Water District.		Outwash:	
Marine deposits:		Outwash and marine deposits:		Medium sand.....	11 11
Sand and clay.....	6	Loam.....	2	Broken rock.....	1 12
Firm clay.....	33	Silty yellow sand and clay....	18	Marine deposits:	
Soft gray clay.....	17	Marine deposits:		Fine sand and clay.....	5 17
Till:		Fine gray sand.....	15	Very fine sand and clay.....	13 30
Silt and sharp gravel.....	2	Fine gray sand with strips of soft gray clay.....	15	Clay and small amount of medium sand.....	10 40
648. Alt. about 95 ft. Log of test boring for South Berwick Water District.		Soft gray clay.....	11	Clay and medium sand, very soft.....	10 50
Marine deposits:		Fine gray sand and clay.....	3	Clay and very fine sand, very soft.....	10 60
Loam and clay.....	1			Soft clay.....	10 70
Firm clay.....	26			Soft clay, forcing water up jet.....	10 80
Silt and clay.....	35			Very soft clay.....	18 98
649. Alt. about 100 ft. Log of test boring for South Berwick Water District.				Clay and fine sand.....	3 101
Till:				Till:	
Sand, gravel, and boulders....	17	Hardpan.....	2	Hardpan.....	2 103
Hardpan.....	3.5				
650. Alt. about 100 ft. Log of test boring for South Berwick Water District.		658. Alt. 2.6 ft. Log of test boring for Maine Turnpike Authority for Spruce Creek Bridge.		655. Alt. 119.3 ft. Log of test boring for Maine Turnpike Authority at Route 35, Kennebunk.	
Till:		Marine deposits:		Outwash:	
Brown sand and gravel.....	12	Soft clay.....	6.5	Coarse sand.....	7 7
Hardpan.....	14	Clay and fine sand.....	9	Till:	
		Soft gray clay.....	12	Dense packed sand and clay..	8 15
				Hardpan.....	1 16
		Till:		Refusal.....	1 17
651. Alt. about 100 ft. Log of test boring for South Berwick Water District.		659. Alt. 9.4 ft. Log of test boring for Maine Turnpike Authority for York River Bridge.		666. Alt. 77.1 ft. Log of test boring for Maine Turnpike Authority at South end of Mousam River Bridge.	
Outwash:		Marine deposits:		Alluvium:	
Brown sand.....	10	Silty clay.....	5	Fine sand.....	6 6
Marine deposits:		Silty clay with humus.....	5	Yellow clay and silt.....	1 7
Soft gray clay.....	13	Brownish yellow clay.....	3	Marine deposits:	
Till:		Marine clay.....	51.2	Blue clay.....	8 15
Fine gray sand and sharp gravel.....	11	Till:		Clay and fine sand.....	12 27
Hard gray clay.....	8	Clay and fine gravel.....	10	Soft clay.....	7 34
652. Alt. about 100 ft. Log of test boring for South Berwick Water District.		Clay and gravel.....	11	Rock.....	at 34
Outwash:		Bedrock.....	at 85.2		
Loam.....	1	660. Alt. 35.9 ft. Log of test boring for Maine Turnpike Authority at Beach Ridge Road, York.		667. Alt. 50.3 ft. Log of test boring for Maine Turnpike Authority at North end of Mousam River Bridge.	
Brown sand.....	10	Till:		Alluvium:	
Marine deposits:		Clay and loam.....	3	Silty clay.....	8 8
Soft gray clay.....	53	Clay, hard packed.....	2	Gravel and clay.....	3 11
Till:		Clay.....	5	Marine deposits:	
Fine gray sand and sharp gravel.....	4	Clay and gravel.....	10	Silty clay.....	2 13
Hard gray clay.....	33	Refusal.....	at 15	Clay.....	21 34
653. Alt. about 150 ft. Log of test boring for South Berwick Water District.		661. Alt. 136.9 ft. Log of test boring for Maine Turnpike Authority at Charles Chase Road, Wells.		Sandy clay.....	17 51
Ice-contact deposits:		Outwash:		Till:	
Brown sand and scattered gravel.....	29	Gravel, clay, and boulders...	2	Gravel and clay.....	10.7 61.7
Fine light sand, sharp gravel, and boulders.....	29	Coarse gravel.....	17.5	Rock.....	at 61.7
654. Alt. about 100 ft. Log of test boring for South Berwick Water District.		Sand and coarse gravel.....	1		
Outwash:		Rock.....	20.5	668. Alt. 56.7 ft. Log of test boring for Maine Turnpike Auth. for Kennebunk River Bridge.	
Loam.....	1	662. Alt. 133.9 ft. Log of test boring for Maine Turnpike Authority at Burnt Mills Road, Wells.		Alluvium:	
Brown sand.....	3	Till:		Loam and silt.....	2 2
Marine deposits:		Boulders.....	2	Silt, sand, and brown clay..	1 3
Hard yellow clay.....	17	Boulders and gravel.....	1	Marine deposits:	
Till:		Gravel.....	3	Blue marine clay.....	9 12
Hard gray clay and sharp gravel.....	22	Coarse gravel.....	4	Soft blue clay.....	70 82
		Rock.....	14.5	Sand and clay.....	18 100
				Refusal.....	at 100
				669. Alt. 106.5 ft. Log of test boring for Maine Turnpike Authority at Limerick Road, Arundel.	
				Outwash:	
				Sand.....	45.1 45.1
				Till:	
				Gravel and clay.....	28.5 73.6

Table 4.--Drillers' logs of selected wells and test holes in southwestern Maine--Continued

Thickness	Depth	Thickness	Depth	Thickness	Depth
670. Alt. 126.1 ft. Log of test boring for Maine Turnpike Authority at Old Alfred Road, Arundel.		677. Alt. 116.5 ft. Log of test boring for Maine Turnpike Authority at Saco interchange overpass.		682.--Continued	
Till:		Marine deposits:		Marine deposits:--Continued	
Clay and gravel.....	3	Clay.....	3.4	Mottled brown and gray stiff silt-clay.....	5 22
Clay.....	3	Till:		Loose brown silty sand containing a little clay, becoming varved with cohesionless silt and clay.....	8 30
Clay and gravel.....	4	Sand and clay.....	10.6	toward bottom.....	
Sandy gravel.....	1	Gravel.....	18	Uniform to slightly varved gray silt-clay.....	28 58
Refusal.....	at 11	Clay.....	9		
		Rock.....	1.6		
671. Alt. 90.5 ft. Log of test boring for Maine Turnpike Authority at Route 111, Biddeford.		678. Alt. 66.0 ft. Log of test boring for Maine Turnpike Authority at River Road, Biddeford.		Till:	
Fill:		Fill.....	1	Coarse black sand and gravel embedded in or stratified with fine blue-gray sand and cohesionless silt.	
Gravel and clay.....	2	Marine deposits:		Medium to dense consistency	26 84
Marine deposits:		Clay.....	13		
Clay.....	67	Till:			
Premarine outwash:		Hardpan.....	7	683. Alt. 3.8 ft. Test boring by State Highway Comm. for bridge across York River, south end.	
Sand.....	7.7	Gravel and clay.....	4	Marine deposits:	
Rock.....	at 76.7	Rock.....	at 25	Dark-blue silty clay with shells.....	3 3
672. Alt. 86.4 ft. Log of test boring for Maine Turnpike Authority at overpass for Biddeford interchange.		679. Alt. 110.3 ft. Log of test boring for Maine Turnpike Authority at Buxton Road (Route 112), Saco.		Soft brown silty clay with scattered gravel.....	6 9
Marine deposits:		Outwash:		Till:	
Clay.....	11	Sand.....	2	Soft blue clay with scattered gravel.....	8 17
Soft clay.....	15.5	Marine deposits:		Bedrock:	
Refusal.....	at 26.5	Clay.....	10	Quartzite.....	6 23
673. Alt. 55.8 ft. Log of test boring for Maine Turnpike Authority at south end of Saco River Bridge.		Till:			
Alluvium:		Clay and gravel.....	4.8	684. Alt. 81.7 ft. Log of test boring by State Highway Comm. at bridge over Great Works River on Route 236.	
Silt and loam.....	4.1	Rock.....	at 16.8	Fill--Old railroad embankment..	14 14
Yellow clay.....	5	680. Alt. about sea level. Test boring for Goosefare Bridge between Saco and Old Orchard Beach on Route 9. At north abutment.		Till:	
Gravel.....	5	Sea water.....	11.5	Soft mottled brown and gray clay and silt--thin sand layers, some gravel.....	5 19
Marine deposits:		Marine deposits:		Loose gray silty sand and gravel.....	3 22
Blue marine clay.....	22	Very fine, slightly silty blue-gray sand containing a few pieces of flat gravel, firm.....	10	Compact brown silty sand and gravel.....	3 25
Blue clay and fine sand.....	54	Very soft gray silty clay containing sand pockets and black organic spots. Sand in lumps and lenses.....	2	Coarse dark-gray sharp sand and gravel embedded in fine brown silty sand, compact.....	9 34
Till:		Very soft gray silty clay containing some small sand pockets and thin partings. Many black organic bands or spots.....	30	Boulders.....	3 37
Dense clay.....	1	Extremely fine gray sand and cohesionless silt, containing some gravel.....	4.3	685. Alt. 237 ft. Log of test boring by State Highway Comm. at Powers Bridge (Route 4) on the Mousam River at South Sanford.	
Hardpan.....	1	Bedrock:		Marine deposits:	
	91.1	Very fine grained slatey quartzite.....	4.9	Silt and peat.....	2 2
674. Alt. 56.1 ft. Log of test boring for Maine Turnpike Authority at north end of Saco River Bridge.		681. Alt. about -10 ft. Log of test boring by State Highway Comm. for bridge across York River, near north bank.		Ice-contact deposits:	
Alluvium:		Marine deposits:		Brown sandy gravel, dense...	10 12
Silt and loam.....	5	Loose gray silty sand.....	4	Loose gray silty sand.....	17 29
Clay and fine sand.....	10	Loose medium and fine brown silty sand containing shell fragments and scattered gravel.....	11	Alternate layers of loose brown silt and brown silty sand.....	10 39
Premarine outwash:		Stratified brown and gray silt and clay, soft.....	4	Gray silty sand with thin layers of gray silt.....	22 61
Medium sand.....	4	Medium and fine gray sand containing a little cohesionless silt. Medium consistency.....	17	Coarse gray sand and gravel.....	2 63
Sandy gravel.....	9	Till?:		Bedrock:	
Till:		Fine brown sand, medium to dense consistency.....	29	White rock, like feldspar...	4 67
Clay, gravel.....	5	Gray silt, sand, and gravel, medium consistency.....	6	686. Alt. 118.9 ft. Log of test boring by State Highway Comm. at crossing of Route 111 and Maine Central Railroad in Biddeford.	
Gravel.....	1	Rock:		Marine deposits:	
	33	Quartzite.....	77	Sandy loam.....	1 1
Bedrock.....	at 34	682. Alt. 3.8 ft. Log of test boring by State Highway Comm. for bridge across York River, Harris Island.		Soft plastic gray-brown silty clay containing sand strata.....	11 12
675. Alt. 67.1 ft. Log of test boring for Maine Turnpike Authority at Buxton Road, Saco.		Marine deposits:		Very soft plastic blue-gray clay containing occasional thin sand strata near top and frequent sand strata with some gravel near bottom. Clay greatly weakened by moulding.....	47 59
Premarine outwash:		Loose, blue-gray sand with shells.....	9	Till:	
Topsoil.....	1	Gray and brown cohesionless silt, shell fragments at top, peat and organic silt in the middle, and some clay near bottom.....	8	Firm mixture of silt and gravel.....	5.5 64.5
Sand.....	1			Bedrock.....	6 70.5
Coarse sand and gravel.....	56.7				
676. Alt. 118.5 ft. Log of test boring for Maine Turnpike Authority at New County Road, Saco.					
Outwash:					
Sand.....	3				
Marine deposits:					
Clay.....	9				
Sand.....	18				
Fine sand and clay.....	4				
Till?:					
Coarse sand and clay.....	43				
Gravel and clay.....	9				
Hard clay.....	9				
Sand and clay.....	9				
Rock.....	4				
	77				
	86				
	95				
	104				
	108				

Table 4.--Drillers' logs of selected wells and test holes in southwestern Maine--Continued

Thick- ness	Depth	:	Thick- ness	Depth	:	Thick- ness	Depth
687. Alt. 219.5 ft. Log of test boring by State Highway Comm. on Route 111 at Littlefield River, Alfred.		:	687. --Continued		:	688. Alt. 148.4 ft. Log of test boring by State Highway Comm. at crossing of B & M tracks and Route 9 in North Berwick.	
Outwash:		:	Marine deposits?--Continued		:	Till:	
Fine sand, becoming stratified with silt and sand toward bottom.....	6.5	6.5	Gray varved silt and clay....	1.5	14.5	Fine and medium yellow-brown sand containing some gravel (Water table at 4 ft.).....	8
Marine deposits?:		:	Varved gray silt.....	.5	15	Silty gray sand containing some gravel.....	18
Soft gray micaceous silt and little clay.....	5	11.5	Till:		:	Dark-gray quartzite.....	36.5
Fine gray micaceous silty sand.....	1	12.5	Bedrock:		:		
Brittle silty gray clay.....	.5	13	Coarse grained granite.....	6	35.5	Bedrock:	

Table 5.--Chemical analyses of water from wells and springs in southwestern Maine
(Analytical results in parts per million except as indicated.)

(Analyses by U. S. Geological Survey)

Well or spring no.	Depth (ft.)	Geologic unit	Date of collection	Temperature (°F.)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Sodium (Na)	Chloride (Cl)	Sulfate (SO ₄)	Chlorobromate (CO ₃)	Bicarbonate (HCO ₃)	Potassium (K)	Nitrate (NO ₃)	Dissolved solids (residue on evapo-ratation at 180°C.)	Noncarbo-nate (Na ₂ CO ₃)	Color L/	pH	Specific conductance at 25°C.	Hardness as CaCO ₃	Remarks		
14	21	Outwash	11-13-61	-	6.8	0.08	0.0	2.2	0.9	2.8	1.1	1.0	0	5.6	0.2	0.0	1.7	30	9	1	41	5.8	2
39	137	Premarine stratified drift	11-14-61	-	.11	.13	.0	18	15	430	7.7	342	4	90	490	3.0	1.7	1,250	107	0	2,220	8.3	3
66	100	Bedrock	11-14-61	-	14	.05	.0	18	4.5	13	6.4	104	0	15	1.4	.4	.0	124	64	0	209	7.8	3
126	93	Till	11-14-61	-	18	.09	.0	20	4.9	17	3.8	58	0	34	13	.3	13	158	70	23	244	6.9	2
132	16	do.	11-14-61	-	7.2	-	-	5.0	.6	4.1	2.9	11	0	12	2.8	.0	3.4	44	15	6	68	6.8	2
133	16	do.	11-14-61	-	7.9	.19	.0	22	4.8	28	11	47	0	18	61	.1	5.5	197	75	36	358	6.4	3
134	20	Outwash	11-14-61	-	5.6	.11	.0	1.4	.2	1.7	.3	7	0	3.4	1.1	.0	.0	18	5	0	26	5.8	4
143	275	Bedrock	4-10-53	49	13	.06	.05	23	3.1	8.2	3.1	75	0	17	15	.1	1.1	129	70	9	211	7.2	3
156	11	Ice-contact deposits	11-15-61	51.5	7.2	.02	.0	12	3.8	4.0	3.1	16	0	20	11	.0	11	85	46	33	140	6.2	2
157	140	Bedrock	11-15-61	-	16	.21	.2	23	10	7.5	1.4	107	0	17	10	.5	.1	137	99	11	235	7.9	4
158 _{sp}	-	Pleistocene beach deposits	11-14-61	50	11	.02	.0	13	5.1	10	2.4	42	0	13	22	.1	2.6	102	54	19	189	6.5	2
272	200+	Bedrock	2-17-54	46	7.2	.11	.01	5.2	1.8	5.8	1.7	18	0	5.6	8.5	.0	.5	41	20	5	66	6.6	2
273	18	Marine deposits	2-17-54	45	11	.10	.00	7.2	2.0	3.9	.8	20	0	12	8.8	.0	.4	52	29	12	79	6.5	7
																					Al .2; Cu .14; Zn .00; Li .0;		
																					Pb .0; Zn .67; Li .0;		
																					Pb .0;		

1/ Color data were obtained by comparing color of water sample to the platinum-cobalt scale of Hazen (1892, p. 427, 428).

Table 6.--Partial chemical analyses of samples of ground water from southwestern Maine

Made by Division of Sanitation, State Bureau of Health

(In parts per million except pH)

Table 6.-Partial chemical analyses of samples of ground water from southwestern Maine--Continued

Well no.	Depth (Ft.)	Water-bearing formation	Date of collection	Chloride	Hardness	Nitrate	pH	Remarks	Water-bearing formation (Ft.)	Well no.	Depth (Ft.)	Date of collect.	Chloride	Hardness	Nitrate	pH	Remarks
492	23	Till	6-15-61	?	6.6	5.6	5.6		10: Till or marine deposits	567	8-19-61	4	34	.13	6.7		
497	30	Outwash	8-17-61	6	.22	5.6			11: do.	568	11-16-61	110	.50	.04	7.5		
498	14	Till	2-11-61	20	.22	5.6			17: do.	569	7-26-61	7	.38	.22	6.5		
499	30	Ice-contact deposits	6-17-61	43	108	132	6.1	Baddy contaminated by bacteria.	18: Ice-contact deposits	570	8-14-61	67	.64	.09	8.3	Spring.	
									19: Bedrock	571	7-19-61	45	.100	2.2	7.1		
500	12	Till and/or marine deposits	7-27-61	28	20	6.6	6.5	contamination eliminated.	20: Marine deposits	572	6-15-61	17	.14	.07	8.7		
501	16	Outwash	6-20-61	10	46	11	6.6		21: Marine deposits	573	6-15-61	6	.50	.66	6.4		
502	14	do.	10-8-61	1	20	35	6.5		22: Marine deposits	574	8-1-61	21	.32	1.7	6.5		
503	27	do.	10-31-61	4	14	.44	6.9		23: Bedrock	575	200	46	.46	.09	6.0		
504	14	Till or marine deposits	2-2-61	18	134	5.5	6.3		24: do.	576	89	32	.36	.04	8.7		
505	26	Ice-contact deposits	6-22-61	13	14	.53	6.0		25: Till	577	20	5	.30	.13	6.5		
506	15	do.	-6-11	3	28	.22	6.2		26: Marine deposits	578	12	6	.22	.44	6.3		
508	75	Bedrock	1-14-62	1	14	.53	6.0		27: Bedrock	579	7-4-61	35	.110	.07	7.4		
511	15	Ice-contact deposits	8-19-61	2	18	.09	6.5		28: Outwash	581	25	7	.14	2.2	6.7		
518	55	Bedrock	11-4-61	23	100	.09	6.9	High iron	29: Bedrock	582	87	15	.104	.66	7.3		
520	14	Marine deposits	-48	36	-	6.6	Analysis by private co.;	concentration:	30: Marine deposits	583	7-16-61	9	.66	3.1	6.9	Spring.	
									31: Outwash	584	10	11	.80	.09	7.3		
									32: Marine deposits?	588	250	22	.60	.22	7.1	Radon plus daughters 5,200 micromicro-curries per liter.	
521	15	Outwash	6-10-61	5	28	.53	6.4		33: do.	590	14	1-6-61	20	.56	8.2		
522	14	Till	6-9-61	2	40	.04	6.2	1.2 ppm copper	34: no manganese.	591	1-8-61	4	.42	.09	8.3		
524	17	Outwash	1-13-61	13	42	8.8	6.2		35: do.	592	135	41	.60	.066	8.1		
526	-	Bedrock	10-31-61	14	40	.22	7.5		36: Till	593	9	48	.162	3.5	7.4		
527	15	Till	12-25-60	4	22	1.5	6.3		37: Marine deposits	594	14	10	.26	.13	7.1		
529	20	Ice-contact deposits	8-3-61	7	46	.22	6.0		38: Bedrock	595	575	10	.26	6.6	6.4		
530	-	do.	6-13-61	23	52	1.1	6.6	Spring.	39: do.	596	100	75	.96	.31	7.9		
534	88	Bedrock	9-15-61	18	76	.17	7.3		40: Outwash	597	23	9	.36	.09	7.5		
536	14	Till	8-17-61	14	50	.66	6.2		41: Outwash and/or marine deposits	598	20	3-61	.12	.09	6.0		
538	15	Marine deposits	7-27-61	12	98	4.4	5.3		42: Marine deposits	599	100	65	.12	2.2	6.4		
539	15	Outwash or marine deposits	7-9-61	8	56	.35	6.6		43: do.	600	40	45	.280	15.5	7.2		
540	13	Outwash	9-16-61	15	34	2.2	6.4		44: Bedrock	601	186	65	.124	5.5	6.7		
546	350	Bedrock	7-13-61	8	70	.13	8.3		45: Outwash	602	140	7	.44	2.2	7.5		
550	265	do.	12-15-61	10	50	.13	8.5		46: do.	603	23	30	.142	13.2	6.7		
552	9	Marine deposits	11-29-61	12	140	2.2	8.2		47: do.	604	15	146	.146	.18	7.8		
554	20	Till	9-22-61	10	184	.53	6.9		48: do.	605	40	9	.16	.66	5.6		
556	130	Bedrock	9-12-61	4	64	.09	7.7		49: Bedrock	606	65	46	.11	.53	7.0		
557	66	do.	8-22-61	2	74	.09	8.2	strong iron taste.	50: do.	607	200	10	.30	.14	7.3		
558	32	Ice-contact deposits	6-30-61	4	14	1.3	6.6		51: do.	608	18	1	.10	.09	6.0		
559	25	Outwash	1-28-61	47	48	1.5	6.3		52: do.	609	23	22	.10	.53	5.6		
560	134	Bedrock	2-23-61	3	42	.09	7.7		53: do.	610	18	1	.16	1.3	6.4		
561	58	do.	6-16-61	1	18	.09	6.7		54: do.	611	176	11	.11	.11	7.5		
562	14	Till	1-26-61	4	18	.04	6.1		55: do.	612	165	7	.36	.35	8.1		
566	20	do.	1-14-61	8	22	5.5	5.7		56: do.	613	12	14	.14	.66	6.3		
									57: do.	614	1				4.4	6.5	Spring.
									58: do.	615	75	15	.34	.102	6.6	7.7	
									59: do.	616	75	15					

Table 7.--Fluctuations of the water level in an observation well (well 617) at Cornish, York County, Maine
(Water levels in feet below land-surface datum.)

Date	Water level	Date	Water level										
1943		1946		1947		1948		1950		1951		1952	
Nov. 6	11.55	Feb. 10	13.33	June 1	11.94	Oct. 11	17.2	Feb. 12	11.3	June 17	12.6	Jan. 6	
13	9.30	17	13.40	8	10.91	17	17.5	19	11.9	24	12.6	13	
21	10.60	24	13.48	15	9.94	24	17.8	26	12.5	July 1	12.75	14	
27	10.78	Mar. 3	13.51	22	9.92	31	18.1	Mar. 5	13.2	8	12.9	15	
Dec. 3	10.76	7	13.55	29	11.00	Nov. 7	18.1	12	11.5	15	12.9	16	
11	10.98	17	8.57	July 6	11.98	14	18.4	19	11.8	22	11.15	17	
18	11.82	24	9.00	13	12.92	21	18.1	26	9.2	29	11.35	18	
25	12.36	31	9.95	20	12.98	28	13.2	Apr. 2	8.7	Aug. 5	10.7	19	
1944		Apr. 6	9.98	27	12.96	Dec. 5	10.7	9	8.9	12	11.3	20	
Jan. 2	13.00	14	10.90	Aug. 3	11.98	12	11.1	16	9.2	19	11.3	21	
9	13.40	21	11.98	10	12.95	19	11.4	23	8.9	26	11.15	22	
16	13.98	28	11.91	17	13.94	26	12.1	30	9.3	Sept. 2	11.55	23	
23	14.68	May 6	11.93	24	14.93	1949		May 7	9.8	9	11.3	24	
30	14.64	12	11.92	31	14.91	Jan. 2	8.7	14	10.4	16	11.4	25	
Feb. 6	15.20	19	11.92	Sept. 7	15.96	9	9.1	21	11.1	23	11.8	26	
Mar. 12	16.30	26	11.90	14	15.99	16	10.1	28	11.6	30	12.5	27	
19	16.01	June 2	11.01	21	16.93	23	11.1	June 4	11.9	Oct. 7	12.8	28	
Apr. 18	8.80	9	11.91	28	16.95	30	11.4	11	12.1	14	12.55	29	
May 7	9.90	16	11.96	Oct. 5	17.90	Feb. 6	11.9	18	12.5	21	12.55	30	
17	10.70	23	12.92	12	17.92	13	12.4	25	12.8	28	11.55	31	
24	11.68	30	12.65	19	17.95	20	12.7	July 2	12.54	Nov. 4	8.6	32	
June 6	11.97	July 7	13.93	26	17.90	27	12.3	9	13.1	11	8.7	33	
14	12.80	14	14.90	Nov. 2	18.10	Mar. 6	13.6	16	13.7	18	9.5	34	
Aug. 29	16.20	21	14.90	10	18.30	13	11.2	23	14.3	25	10.1	35	
Sept. 6	17.28	21	14.89	16	17.50	20	11.1	30	14.55	Dec. 2	10.8	36	
Oct. 1	12.09	28	13.98	23	17.40	27	9.4	Aug. 6	15.3	9	10.35	37	
Dec. 12	9.93	Aug. 4	9.92	30	17.10	Apr. 3	8.4	13	15.4	16	10.8	38	
1945		11	10.94	Dec. 7	15.40	10	8.9	20	15.7	23	10.9	39	
Jan. 5	9.82	18	11.92	14	14.50	17	9.6	27	15.9	30	11.25	40	
Feb. 26	14.57	25	11.98	21	14.50	May 1	9.7	10	15.2	Jan. 6	11.1	41	
Apr. 29	8.60	Sept. 1	10.95	28	14.60	8	10.2	18	14.4	13	11.6	42	
May 6	8.10	8	11.93	1948		15	10.8	18	14.4	20	11.4	43	
13	8.97	15	11.94	Jan. 4	14.7	22	11.3	25	14.29	27	9.6	44	
20	8.95	22	12.91	11	15.1	29	11.2	Oct. 1	14.72	Feb. 3	9.1	45	
27	8.98	29	12.92	18	15.4	June 5	11.25	8	15.4	10	9.6	46	
June 3	10.25	Oct. 6	9.91	25	15.9	12	11.8	15	15.3	17	10.4	47	
10	11.01	13	10.96	Feb. 1	16.2	19	12.2	22	14.5	24	11.2	48	
17	11.60	20	11.96	8	16.4	26	12.8	29	14.45	Mar. 2	11.8	49	
24	11.01	27	11.99	15	16.7	July 3	13.2	Nov. 5	14.55	9	11.9	50	
30	9.05	Nov. 3	12.93	22	16.5	10	13.8	12	14.8	16	9.2	51	
July 7	10.94	10	12.97	29	16.4	17	14.2	19	15.05	23	8.8	52	
15	11.94	17	12.97	Mar. 7	16.3	24	14.4	26	13.9	30	8.8	53	
22	12.48	24	12.98	14	16.2	31	14.5	Dec. 3	8.8	Apr. 6	7.9	54	
29	12.48	Dec. 1	12.95	21	10.6	Aug. 7	15.1	10	8.35	13	8.1	55	
Aug. 4	13.89	8	13.91	28	8.8	14	15.4	17	9.3	20	8.6	56	
12	13.94	15	13.92	Apr. 4	9.2	21	15.8	24	10.1	27	9.3	57	
19	14.05	22	13.94	11	10.2	28	16.1	31	11.2	May 4	9.9	58	
26	14.10	29	13.95	18	10.1	Sept. 4	16.3	1951	11	10.6	59		
Sept. 2	14.35	1947		25	9.5	11	16.7	Jan. 7	11.55	18	9.3	60	
9	14.45	Jan. 1	14.30	May 2	10.5	18	16.8	14	12.1	25	9.1	61	
16	14.50	5	14.92	9	10.8	25	17.10	21	12.1	June 1	9.6	62	
23	15.05	12	14.98	16	10.3	Oct. 2	17.3	28	12.4	8	9.1	63	
Oct. 1	15.20	16	15.91	23	8.7	9	17.2	Feb. 4	12.6	15	10.55	64	
6	15.10	19	15.91	30	9.1	16	17.5	11	10.3	22	11.2	65	
13	15.05	26	14.92	June 6	9.6	23	17.7	18	11.2	29	11.4	66	
20	11.05	Feb. 2	13.96	13	10.1	30	18.1	25	10.55	July 6	11.9	67	
24	12.60	9	9.98	20	10.4	Nov. 6	18.2	Mar. 4	11.2	13	11.75	68	
Nov. 6	13.20	16	11.94	27	10.9	13	17.8	11	11.6	20	11.75	69	
11	13.68	23	11.97	July 4	11.4	21	16.65	18	9.9	27	12.7	70	
18	14.02	Mar. 2	12.96	11	12.1	27	15.4	25	9.2	Aug. 3	13.55	71	
25	8.98	9	12.98	18	12.4	Dec. 4	14.05	Apr. 1	8.7	10	13.8	72	
Dec. 2	10.25	16	9.91	25	12.9	11	13.45	8	8.7	17	14.4	73	
9	9.97	23	9.91	Aug. 1	13.3	18	13.05	15	9.2	24	14.8	74	
16	9.98	30	9.91	8	14.0	25	13.40	22	9.5	31	15.3	75	
23	10.90	Apr. 6	9.91	15	14.3	29	9.1	Sept. 7	15.6	14	15.8	76	
30	11.08	13	9.91	22	14.8	1950		May 6	9.5	14	15.8	77	
1946		20	9.96	29	15.1	Jan. 1	13.2	May 8	13.1	21	16.2	78	
Jan. 6	11.38	27	10.92	Sept. 5	15.3	15	10.6	13	10.8	28	15.9	79	
13	11.15	May 4	10.96	13	15.9	22	10.3	27	11.7	Oct. 5	16.1	80	
20	11.68	11	8.98	19	16.1	29	10.1	June 3	11.75	12	15.6	81	
27	11.20	18	9.99	26	16.7	Feb. 5	10.7	10	12.2	19	16.1	82	
Feb. 3	12.68	25	11.91	Oct. 3	17.1								

Table 7--Fluctuations of the water level in an observation well (well 617) at Cornish, York County, Maine--Continued

Date	Water level	Date	Water level	Date	Water level								
Oct. 26	15.3	Mar. 14	9.2	Aug. 7	15.2	Dec. 30	11.2	May 25	10.25	Dec. 12	9.3		
Nov. 2	16.1	21	10.7	14	15.7	1957	11.4	31	10.9	21	9.4		
9	16.3	28	9.1	21	15.2	Jan. 6	11.4	June 8	11.1	28	10.2		
16	16.8	Apr. 4	9.1	28	15.2	14	12.5	15	11.4	1960			
23	17.1	11	9.8	Sept. 4	15.5	20	13.2	22	12.01	Jan. 3	10.2		
30	17.3	18	9.9	11	16.1	27	9.8	29	12.7	7	9.7		
Dec. 7	17.4	25	9.1	18	16.5	Feb. 3	10.7	July 6	13.2	24	11.6		
14	8.5	May 2	9.6	25	16.7	10	11.4	13	13.5	31	11.7		
21	9.5	9	9.2	Oct. 2	17.1	17	12.2	20	12.6	Feb. 6	11.7		
28	9.4	16	8.6	9	17.4	24	13.1	27	13.1	15	9.9		
1953		23	9.2	16	17.6	Mar. 2	11.1	Aug. 3	13.1	21	10.4		
Jan. 4	10.5	30	9.1	23	17.8	10	10.8	10	13.1	Mar. 6	11.5		
11	11.6	June 6	9.3	30	17.6	17	10.4	17	13.6	14	12.1		
18	12.1	13	9.6	Nov. 6	15.1	24	10.4	24	14.1	22	12.3		
25	11.8	20	10.3	13	11.2	31	10.8	31	14.6	Apr. 4	8.1		
Feb. 1	11.4	27	10.9	20	11.2	Apr. 7	11.2	Sept. 7	15.1	13	8.2		
8	11.3	July 4	10.2	27	11.5	14	10.2	14	15.1	19	8.4		
15	11.6	11	10.55	Dec. 4	12.1	21	10.4	21	15.2	24	8.8		
22	10.2	18	11.2	11	12.6	28	10.9	28	15.4	May 1	9.2		
Mar. 1	10.3	25	11.7	18	13.2	May 5	11.6	Oct. 5	15.3	8	9.8		
8	10.8	Aug. 1	11.2	25	14.1	12	12.2	12	15.2	29	9.1		
15	9.8	8	10.5	1955		19	12.6	19	15.5	22	9.1		
22	9.1	15	10.3	Jan. 1	14.4	26	12.3	26	16.1	29	9.1		
29	8.05	22	11.1	8	14.1	June 2	12.7	Nov. 3	15.2	June 4	9.7		
Apr. 5	8.7	29	11.8	15	8.4	9	13.1	9	14.3	12	10.4		
12	9.2	Sept. 5	10.4	22	9.2	16	13.6	16	13.3	19	9.9		
19	8.45	12	8.1	29	10.8	23	14.1	23	12.9	27	10.6		
26	9.1	19	8.8	Feb. 4	11.7	30	13.6	30	12.7	July 4	10.8		
May 3	9.2	26	9.25	12	12.2	July 7	12.6	Dec. 7	11.1	11	11.6		
10	9.1	Oct. 3	10.3	19	12.7	14	13.1	14	10.9	17	12.1		
17	9.4	10	10.9	26	13.1	21	13.6	21	10.6	24	12.6		
24	9.2	17	11.1	Mar. 4	13.6	28	14.4	28	12.6	Aug. 1	13.2		
31	10.4	24	10.4	11	13.9	Aug. 4	14.2	1959		7	12.9		
June 7	11.4	31	11.2	18	14.1	11	14.5	Jan. 4	13.1	15	13.6		
14	11.8	Nov. 7	8.8	25	14.3	18	15.1	11	13.8	21	14.1		
21	12.3	14	9.8	Apr. 1	14.1	25	15.5	25	14.3	29	14.1		
28	12.9	21	10.5	8	11.5	31	16.1	Feb. 10	14.4	Sept. 5	15.1		
July 5	13.5	28	9.8	15	8.7	Sept. 8	16.5	Mar. 1	15.4	11	15.6		
13	13.4	Dec. 5	9.1	22	8.5	15	16.8	16	15.6	19	11.6		
19	14.2	12	10.8	29	8.9	22	17.1	27	13.8	25	11.7		
26	14.8	19	9.5	May 6	9.1	29	17.3	Apr. 5	8.5	Oct. 2	12.2		
Aug. 2	15.2	26	9.8	13	9.6	Oct. 6	17.6	12	8.7	9	12.5		
9	15.6	1955		20	10.6	13	17.8	19	9.9	17	13.4		
16	15.1	Jan. 2	10.6	27	11.4	20	18.1	26	10.3	25	11.3		
23	14.6	9	10.9	June 3	11.2	27	18.2	May 4	11.1	31	9.8		
29	15.1	16	11.4	10	11.2	Nov. 3	18.1	10	11.5	Nov. 15	10.79		
Sept. 5	15.6	23	12.1	17	11.7	10	17.4	17	12.1	30	11.85		
13	15.5	30	12.2	24	11.9	17	15.3	25	12.4	Dec. 15	11.56		
20	16.3	Feb. 5	13.5	July 1	12.5	24	11.6	31	12.9	29	12.18		
27	16.6	13	12.7	8	12.9	Dec. 1	10.8	June 8	13.2	1961			
Oct. 4	17.1	20	12.2	15	12.7	8	10.4	14	13.6	Jan. 15	13.42		
11	17.3	27	12.1	22	12.1	15	8.9	22	11.2	27	14.64		
18	17.6	Mar. 6	11.2	29	12.1	22	9.7	29	11.8	Feb. 15	16.01		
25	18.1	13	11.1	Aug. 5	12.5	29	9.1	July 6	12.2	27	14.76		
Nov. 1	18.1	20	9.4	12	13.1	13	12.7	13	12.7	Mar. 15	10.42		
8	18.2	27	10.1	19	13.7	Jan. 5	9.1	20	13.2	29	9.66		
15	17.8	Apr. 3	9.5	26	14.5	12	9.7	27	13.9	Apr. 15	8.24		
22	16.5	10	9.1	Sept. 2	14.9	19	10.7	Aug. 3	14.4	28	8.96		
29	12.8	17	9.9	10	15.1	26	9.4	9	14.9	May 15	10.44		
Dec. 6	10.9	24	10.3	16	15.1	Feb. 1	9.1	17	15.3	28	11.79		
13	9.1	May 1	10.5	23	15.2	9	9.7	23	15.4	June 15	11.96		
20	9.5	8	10.1	30	14.2	16	10.8	31	15.7	28	12.22		
27	10.22	15	11.1	Oct. 7	13.7	23	11.4	Sept. 7	14.7	July 15	13.28		
1954		22	11.8	14	13.3	Mar. 1	11.8	14	14.2	28	11.08		
Jan. 3	11.4	29	12.1	21	13.5	9	11.9	21	13.9	Aug. 15	12.46		
10	11.9	June 5	11.9	28	13.7	15	9.2	27	14.3	28	13.68		
17	12.1	12	12.1	Nov. 4	13.9	23	9.3	Oct. 5	14.9	Sept. 15	14.10		
24	12.8	19	11.8	11	14.2	30	9.1	12	14.6	29	14.24		
30	13.1	26	12.2	18	14.7	Apr. 6	8.6	18	14.2	Oct. 21	13.88		
Feb. 7	13.3	July 3	12.5	25	14.8	13	8.6	26	10.4	29	14.39		
14	14.1	10	13.2	Dec. 2	13.1	17	8.32	Nov. 2	10.2	Nov. 16	14.48		
21	14.3	17	13.7	9	12.8	20	8.6	8	11.2	27	10.68		
28	12.4	24	14.2	16	12.8	27	9.1	14	10.8	Dec. 15	11.30		
Mar. 7	8.9	31	14.9	23	10.8	May 3	8.8	22	10.4	28	11.82		
						10	9.3	29	8.9				
						18	9.8	Dec. 7	10.2				

Table 8.--Production of water for public supply in southwestern Maine, 1961
 (Data from reports to the Public Utilities Commission.)

Utility	: : Customers <u>1/</u>	: : (million : gallons)	: : Ground water : (million : gallons)	: : Surface water : (million : gallons)	: : Total : (million : gallons)
Alfred Water Company	: : 165	: : 12.0 <u>2/</u>	: : -	: : -	: : 12.0
Berwick Water Dept.	: : 439	: : -	: : -	: : 45.4	: : 45.4
Biddeford and Saco Water Co.	: : 10,008	: : -	: : -	: : 1,252.1	: : 1,252.1
Kennebunk, Kennebunkport, and Wells Water District	: : 5,604	: : -	: : -	: : 558.4	: : 558.4
Kittery Water District	: : 4,072	: : 80.1	: : 750 <u>2/</u>	: : -	: : 830.1
North Berwick Water Company	: : 360	: : -	: : -	: : 28.4	: : 28.4
Sanford Water District	: : 5,245	: : 350.3	: : -	: : 17.3	: : 367.6
South Berwick Water District	: : 572	: : 42.0 <u>2/</u>	: : -	: : -	: : 42.0
York Water District	: : 2,885	: : -	: : -	: : 337.1	: : 337.1
Totals	: : 28,911	: : 484.4	: : 2,988.7	: : -	: : 3,473.1

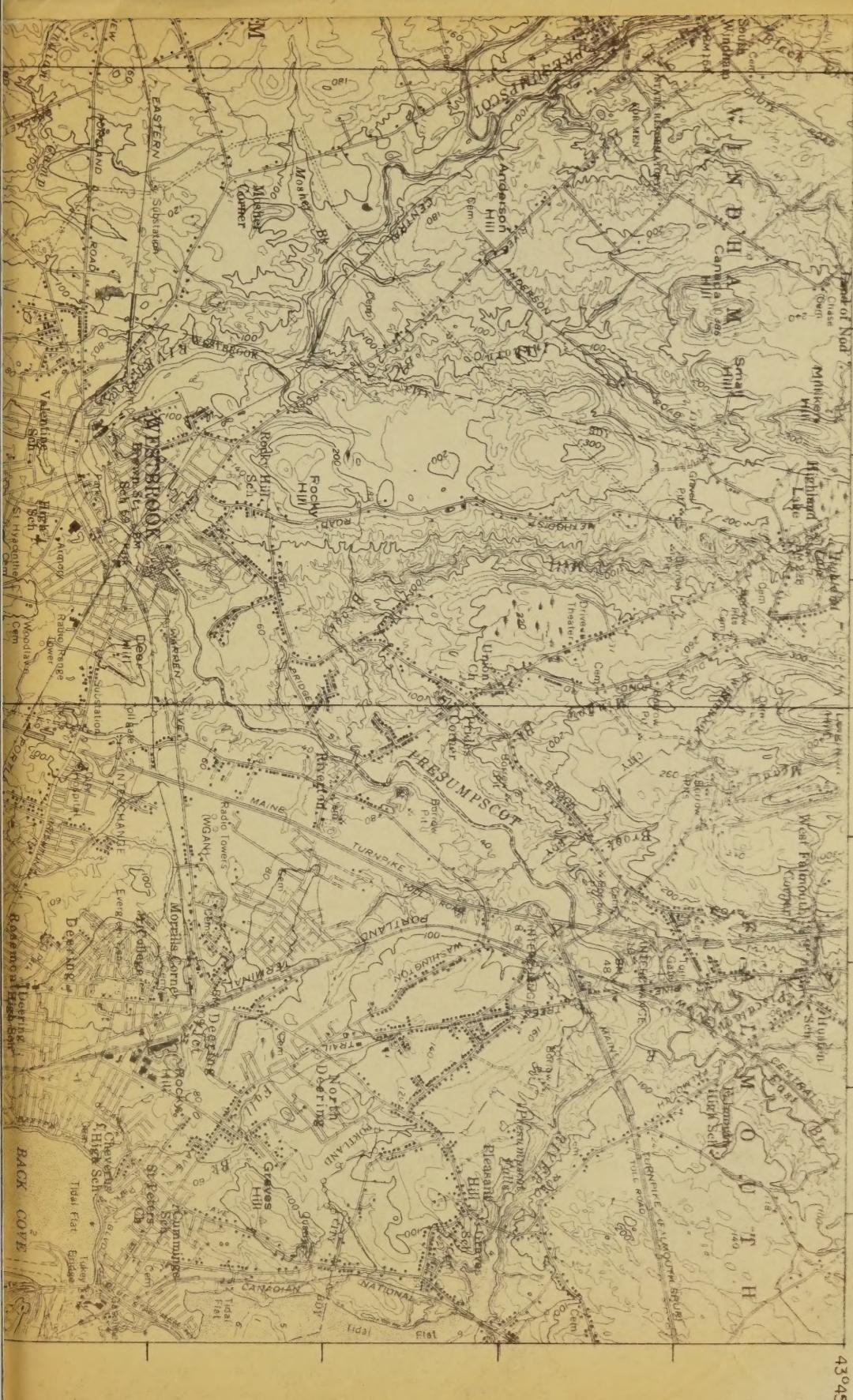
1/ Includes industrial and commercial as well as households.

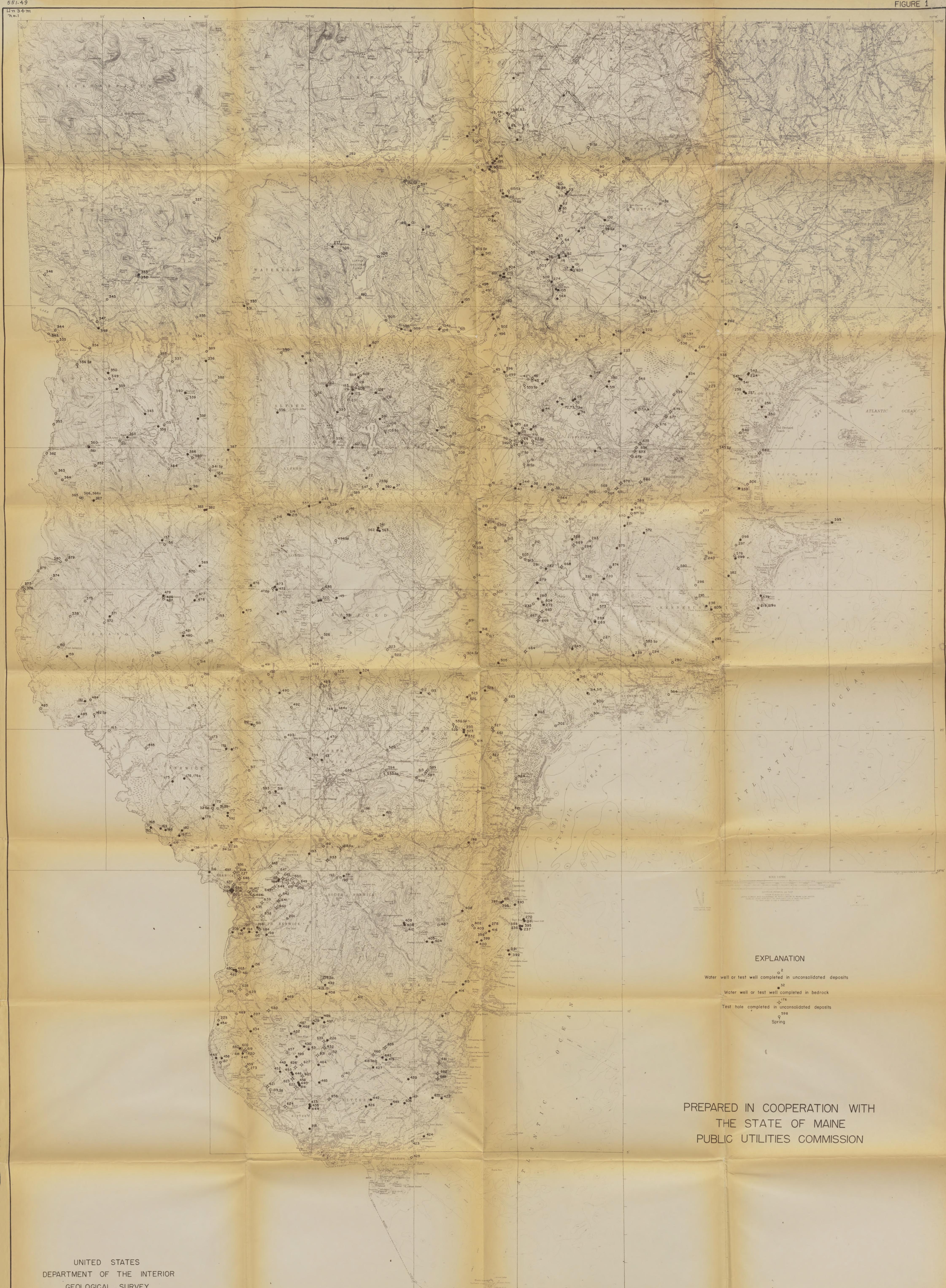
2/ Estimated by the author.

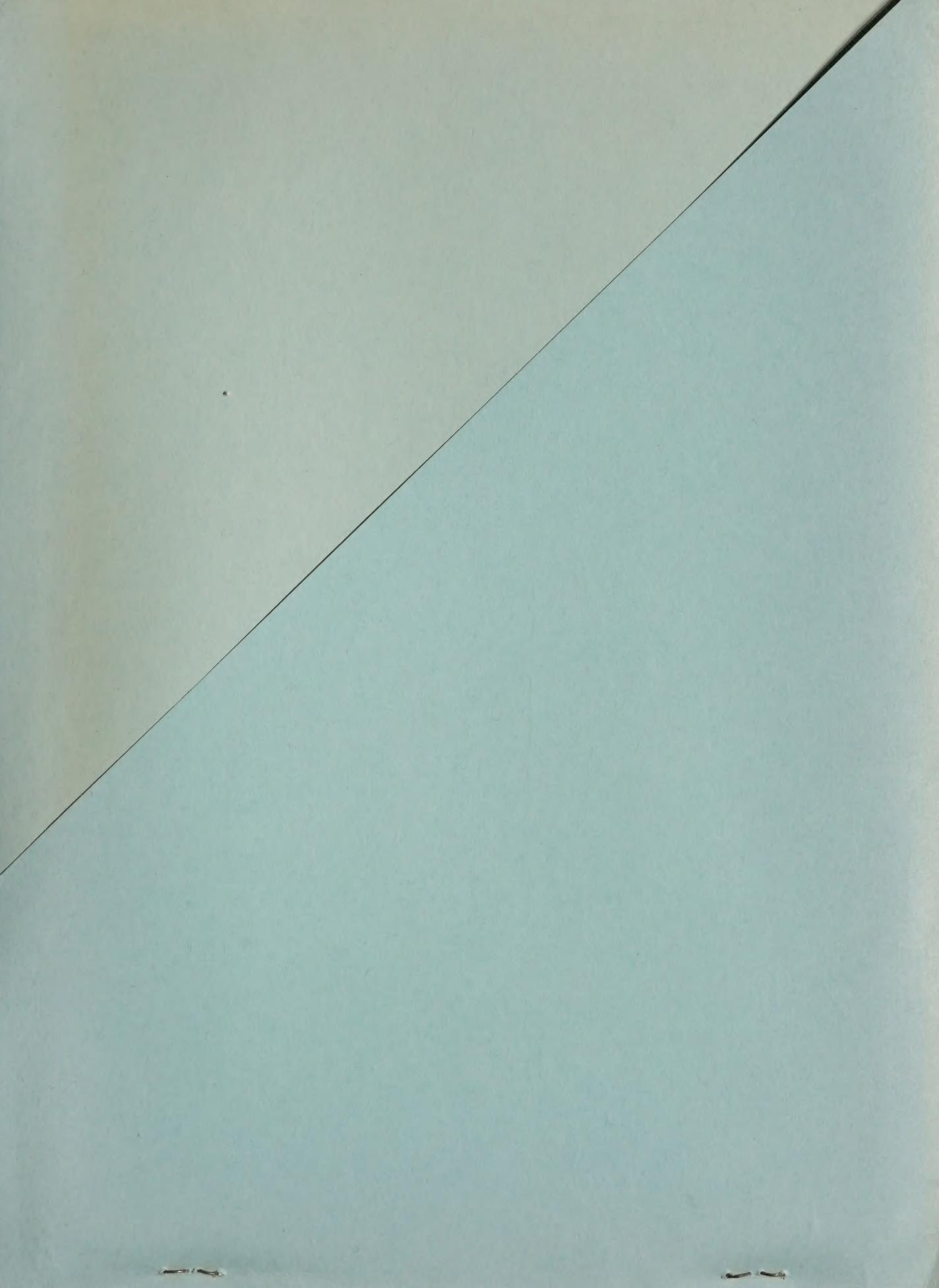
– NOTES –

NOTES

FIGURE 1







UNIVERSITY OF ILLINOIS-URBANA



3 0112 077483680